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## ABSTRACT

To identify the need for construction and to estimate the cost of meeting existing and future capital outlay needs of Florida's 67 school districts, this paper attempts to provide a broad overview of the Florida system. More specifically, the paper describes how the State system of public schools is organized, the history of capital outlay survey techniques, a system of inventory known as Florida Inventory of School Houses (FISH), and capital outlay sources and funding techniques for grades K-12. Narrative descriptions and statistical data pertaining to school construction programing are contained in the main body of the paper which describes programing and an appendix which contains tables and statistics, most of which illustrate school construction programing in the State of Florida. (Pages 22, 30, 31, 50, 66, and 87-93 may reproduce poorly.) (Author/MLF)

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SCHOOL CONSTRUCTION  
PROGRAMMING IN FLORIDA

K-12

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June 1973

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# TABLE OF CONTENTS

## SECTION I

|                                                         | Page |
|---------------------------------------------------------|------|
| Introduction .....                                      | 1    |
| Organizational Basis of the Florida School System ..... | 2    |
| History of School Plant Surveys .....                   | 4    |
| Description of School Plant Surveys .....               | 6    |
| Florida Inventory of School Houses .....                | 12   |
| Capital Outlay Generator .....                          | 19   |
| Per Pupil Space Requirements .....                      | 24   |
| Capital Outlay Funding Techniques .....                 | 26   |

## SECTION II

### APPENDIX

|                                                                          |    |
|--------------------------------------------------------------------------|----|
| Preparation of Spot Maps ..... I .....                                   | 36 |
| Trends in Average Daily Membership ..... II .....                        | 42 |
| Sample Plot and Floor Plans ..... III .....                              | 43 |
| Facility List ..... IV .....                                             | 48 |
| Pupil Projection and Housing ..... V .....                               | 52 |
| Sample Recommendations ..... VI .....                                    | 53 |
| State Priority System ..... VII .....                                    | 55 |
| Capital Outlay Classifications ..... VIII .....                          | 56 |
| Cohort Survival Classifications ..... IX .....                           | 58 |
| Elementary School Model ..... X .....                                    | 59 |
| Middle School Model ..... XI .....                                       | 63 |
| Junior High School Model ..... XII .....                                 | 70 |
| High School Model ..... XIII .....                                       | 76 |
| Four Year Determination of<br>Capital Outlay Allocations ..... XIV ..... | 83 |
| Cost of Construction Index..... XV .....                                 | 86 |
| Administrative Costs ..... XVI .....                                     | 88 |

## INTRODUCTION

This paper entitled "School Construction Programming in Florida, K-12" was prepared for the purpose of providing the user with a broad overview of the system used by the Bureau of School Facilities, State of Florida, Department of Education to, (1) identify the need for construction, and, (2) to estimate the cost of meeting existing and future capital outlay needs of the sixty-seven (67) school districts of Florida. More specifically, this paper describes (1) how the state system of public schools is organized, (2) the history of capital outlay survey techniques, (3) a system of inventory known as Florida Inventory of School Houses (FISH), and, (4) capital outlay sources and funding techniques for grades K-12. A meshing of the narrative and statistical data in this paper will provide the user with substantial insight into school construction programming in Florida.

Narrative descriptions and statistical data pertaining to school construction programming are contained in two sections. Section One (1) is the main body of the paper describing programming. Section Two (a) is an appendix containing tables and statistics most of which illustrate school construction programming in the State of Florida.

## ORGANIZATIONAL BASIS OF THE FLORIDA SCHOOL SYSTEM

From its constitutional beginning, Florida has had a rather unique organizational system for public education because each elected executive official of state government comprises the State Cabinet which serves as the State Board of Education. This policy-making body, the State Board of Education, is composed of the Governor, Secretary of State, Attorney General, State Treasurer and Insurance Commissioner, Comptroller, Commissioner of Agriculture and the Commissioner of Education. The Governor is Chairman of the Board and the Commissioner of Education is the Chief Educational Officer of the State.

In 1969 the Legislature, as a part of the general reorganization of state government, placed all public educational institutions from kindergartens through universities under the Department of Education as a single unified system.

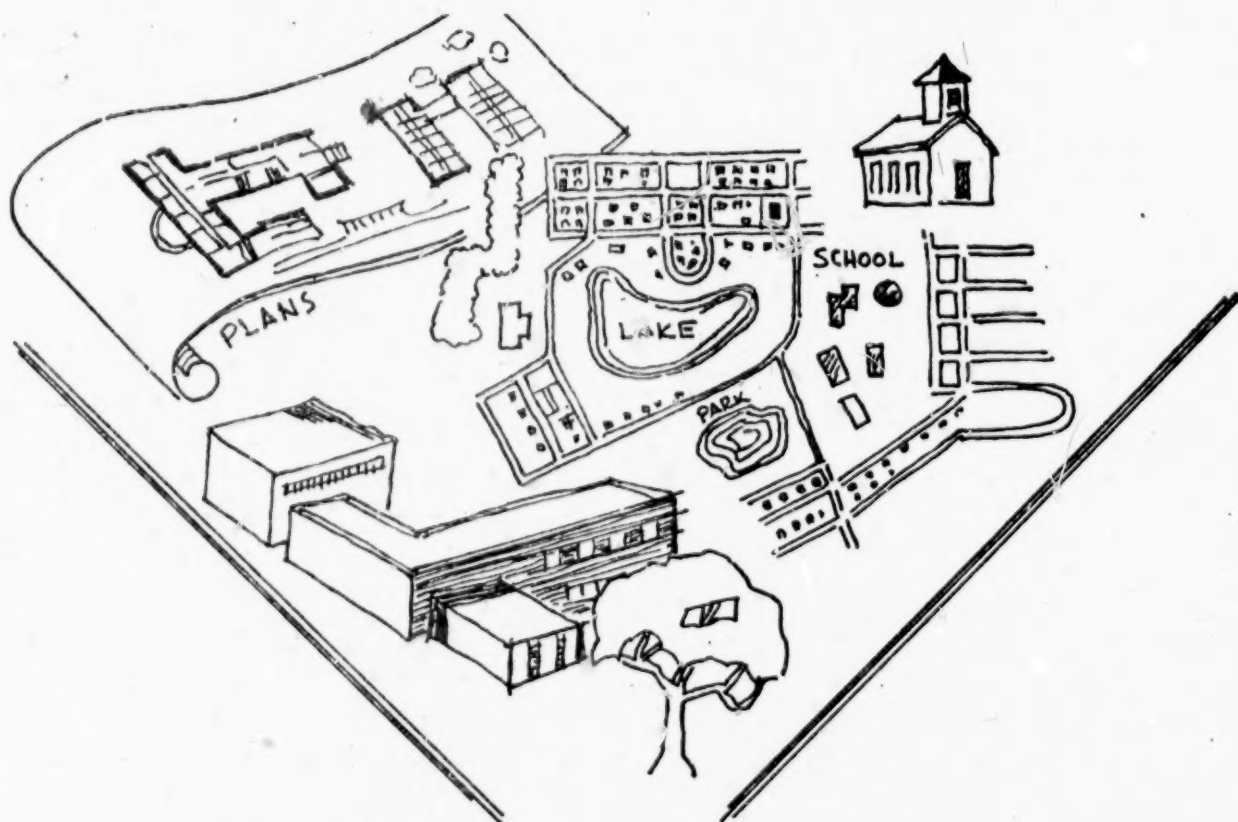
Presently, the Department is composed of four divisions, namely: Division of Elementary and Secondary Education, Division of Vocational Technical and Adult Education, Division of Community Colleges, and the Division of Universities. Each Division is headed by a Director except the Division of Universities which is headed by the Board of Regents with the Chancellor as an administrative officer.

The Chancellor and his staff have the responsibility for the administrative activities of nine universities.

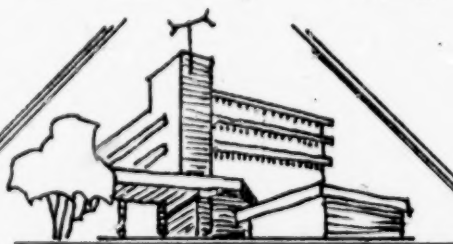
Florida has twenty-eight community colleges. Each community college has its own board of trustees, appointed by the Governor, which is the policy-making body of each institution. The board of trustees appoints a President who is the administrative officer.

In 1947, the Legislature consolidated all the school districts within each county into a "Special Tax School District Number 1," whereby "county"





# SURVEYS



#### HISTORY OF SCHOOL PLANT SURVEYS

The School Code of 1939 removed old conflicts in school laws and also approved new laws which reorganized and improved the educational programs of the State. One such new law required each district school system to conduct a school plant survey unless a survey had been made in the district within the past ten years.

As a basis for developing a district-wide school building program as a phase of the long-range educational program for the school district, each district superintendent was required to recommend plans and procedures for having a school plant survey conducted or approved by the Department of Education. Each district school board was to approve and adopt a district-wide school building program. The school building program was to be based on the recommendations of a survey and the district school board had six months after the completion of a school plant survey to adopt and submit to the Commissioner of Education a proposed master plan for meeting school plant needs. The capital outlay funding, reflected in the annual district school budget, was to be based upon, and directly related to, this master plan for a long-range school building program.

Just prior to, and during World War II, very little construction of school facilities was done by the school districts. The districts were receiving no funds from the State for capital outlay purposes. There was no method for enforcing the requirements of the 1939 School Code. Only four school districts had school plant surveys conducted by the Department of Education prior to 1945.

With the enactment of the Minimum Foundation Program Law of 1947, each district school board was authorized to receive \$300 per instruction unit per year from the state provided this amount was matched with an additional

\$100 per instruction unit from funds derived from local tax sources. In 1949 the Legislature discontinued the local matching requirement and authorized the total \$400 per instruction unit per year from the State. These funds could be used either for current construction or for debt service on district bonds issued to finance construction provided that the funds were expended in accordance with a definite long-range school building program based on the recommendations of a state-approved survey. It was at this point in time that the school plant survey program became a meaningful and established operation.

Since the enactment of the Minimum Foundation Program Law of 1947, Florida Statutes have been changed six times and the Florida Constitution has been amended three times. Each change and amendment has affected appropriations and allocations of State funds to school districts for capital outlay purposes. In each case where additional funds were provided or the method of allocation was changed, the basic proviso--that the funds accruing to the district must be expended on the basis of the recommendation of a survey in the district remained constant. Beginning in 1953, each school district was required to submit a long-range plan to the State Board of Education for approval; the long-range plan was the district's program for putting into effect the recommendation of a survey. The proposed projects had to be listed in their order of priority of need.

## DESCRIPTION OF SCHOOL PLANT SURVEYS

### Definition of a School Plant Survey

A school plant survey is a systematic study of existing school plants and the determination of future school plant needs.

### Purpose of a School Plant Survey

The purpose of a school plant survey is to identify present and future needs for construction and to develop a plan for meeting the school construction needs of the school system for the next several years. Identification of needs and the development of a plan is based upon a careful study of all available data regarding the current status of school buildings and pupil enrollment and the projected changes in enrollment.

### Time Frame for Conducting Surveys

A formal school plant survey is conducted as often as necessary, usually every four or five years. Whenever it is necessary to make changes in the Building program between formal district-wide surveys, the Department of Education upon request of the district will conduct a "spot survey." In any case, local school administrators are responsible for a regular auditing of survey report recommendations, and for the initiation of the request for any necessary changes.

### Method of Making the Survey

School plant surveys may be made by at least three major methods: (a) exclusively by persons residing within the district; (b) exclusively by persons residing outside the district; and (c) cooperatively by persons from within and without the district.

As a matter of policy the Florida Department of Education conducts only cooperative surveys. This policy is based upon experience demonstrating that better solutions to school plant problems can be worked out through the pooling of the experience and knowledge of district personnel with that of the survey staff.

The steps in making a survey are:

1. A district school board requests that the Department of Education conduct a survey of the school plant needs of the district.
2. The Department of Education requests the educational staff of the district to assemble the following information for the survey team:
  - (a) Spot maps showing the residence of all elementary, junior high or middle and senior high school pupils; the school attended by each pupil and the location of each school (Appendix I)
  - (b) School membership trends of each school for the past five years. (Appendix II)
  - (c) A floor plan for each building. (Appendix III)
  - (d) A list of the building projects under contract.
  - (e) A list of the types and sizes of facilities to be provided for new elementary, junior high or middle, and senior high schools. (Appendix IV)
  - (f) Other information bearing on building costs, population trends, and similar matters.
  - (g) Distribution of pupil population projections among the various school centers on the basis of past trends and the best judgment as to where growth is most likely to occur. (Appendix V)
3. The Survey Section of the Department of Education assembles a survey team staff from the Department of Education, district school systems

outside the district being surveyed and various universities throughout the state.

4. The survey team staff visits the district and some members evaluate the facilities and pupil capacity at each school center. See "State-wide Procedural Policies" for a general description of the yardstick applied by the survey team for evaluation purposes.
5. The survey team staff makes tentative recommendations based upon all the evidence available upon completion of the on-site visit. These recommendations are discussed with district staff members of the district school board. Their suggestions are considered. Although opinions and evidence from district staff members are weighed as a part of the process, the survey staff takes full responsibility for the final recommendations. (Appendix VI)
6. Upon completion of the on-site visitation by the survey team, a written report will be compiled by the team and distributed to the superintendent and members of the Board of Education. The survey report will include recommendations for housing the pupil population projected for a five-year period including changes in utilization of existing school centers, abandonment of unsatisfactory school centers, additions at existing school centers, and construction of new school centers.

#### Cost of Conducting the Survey

The cost of the cooperative type surveys to the districts involved is usually very minimal. Expenses for pre-survey preparation work and the printing of the survey document are paid by the Department of Education. Travel expenses and per diem for members of the survey team are paid by the district

requesting the survey.

#### State-wide Survey Procedural Policies

Any person casually acquainted with the sixty-seven school districts in Florida recognizes that there can be no absolute rules for procedures in making a school plant survey. Differences such as the range in size of pupil population require that local situations be considered carefully.

The general procedural guidelines followed by the State Department of Education are flexible and followed whenever feasible within a given county.

School Size. It is well recognized that small schools are economically inefficient and restrictive in program offerings. Generally, new school centers are not recommended for fewer than 180 pupils in elementary schools or 100 pupils per grade level in secondary schools. Where practical, consolidation of existing schools below these minimum sizes is recommended.

Pupil Stations. The usual designation of the use of space in a school is in terms of pupil stations. A pupil station may be defined as the area necessary for a pupil to engage in educational (learning) activities. The size of this area will vary with the particular type of activity. Thus, a laboratory or shop in which the pupil must move about requires more area per pupil than a regular classroom where the pupil remains seated at a desk.

Desirable Pupil Capacity. In an elementary school the pupils generally remain assigned to a classroom throughout the day and desirable pupil capacity can be equated with pupil stations. However, in a secondary school, pupils move from classroom to classroom depending on the subject taken. Thus, scheduling is a factor in calculating capacity as well as the number of pupils and pupil stations. Experience has proven that the pupil membership in a secondary school is a major determinant in the efficiency of space utilization that may be expected at a school. Thus, for secondary schools, the following

table of utilization factors is used to determine pupil capacity.

| <u>MEMBERSHIP</u> | <u>UTILIZATION FACTOR</u> |     |            |
|-------------------|---------------------------|-----|------------|
| Under 300         | x                         | 70% |            |
| 301 - 600         | x                         | 75% |            |
| 601 - 900         | x                         | 80% |            |
| 901 - 1200        | x                         | 85% | = CAPACITY |
| 1201 - 1500       | x                         | 90% |            |
| Over 1500         | x                         | 95% |            |

Initial and Ultimate Pupil Capacity. In the recommendations for establishment of a new school center, the initial capacity assigned is that capacity which is necessary to house the number of pupils anticipated by the end of the projection period; the ultimate capacity is usually the maximum size based on applicable district policies. The establishment of an ultimate desirable capacity makes it possible to plan the initial construction within the framework of the ultimate size school.

District School Board Policies and Prerogatives. The recommendations contained in the survey report are mandatory only insofar as the expenditures of the several types of state funds for school construction are concerned. Rarely are state funds alone enough to complete the recommended school plant development program. Collaboration by survey team and district staff is therefore important. Although district funds do not have to be expended in accordance with survey recommendations and priority system established by State Board of Education Regulations (Appendix VII), research evidence shows that the majority of local fund expenditures for school construction are in accordance with survey recommendations.

#### Use of State Funds for Recommended Facilities

The recommendations for new school buildings and major alterations made in the survey report are intended to, in total, provide adequate school plant facilities for all of the pupils projected. The priority system estab-

lished in State Board of Education Regulations, Chapters 6A-1.29 and 6A-1.30 defines the eligibility for state funds of the various kinds of capital outlay projects within the framework of total survey recommendations. See Appendix VII for the priority system.

#### Capital Outlay Classification

The capital outlay classification of existing school centers determines, subject to pertinent regulations dealing with priority ratings and budgeting, the extent to which all types of state construction funds may be used for capital improvements at a school center. The classification of each school is clearly indicated in the survey report. The following classifications are assigned to existing buildings: school centers are usually classified by the standard grade groupings of 1-6, 7-9 and 10-12, even though a school may have only one or two of the grades present, i.e., grades 7-8. A center with two or more of the grade groupings, i.e., a 1-12 center, may be classified differently for the different grade groupings, i.e., C-2 for grades 1-2, C-3 for grades 7-9, C-5 for grades 10-12. (See Appendix VIII)

#### Number of State Department Surveys

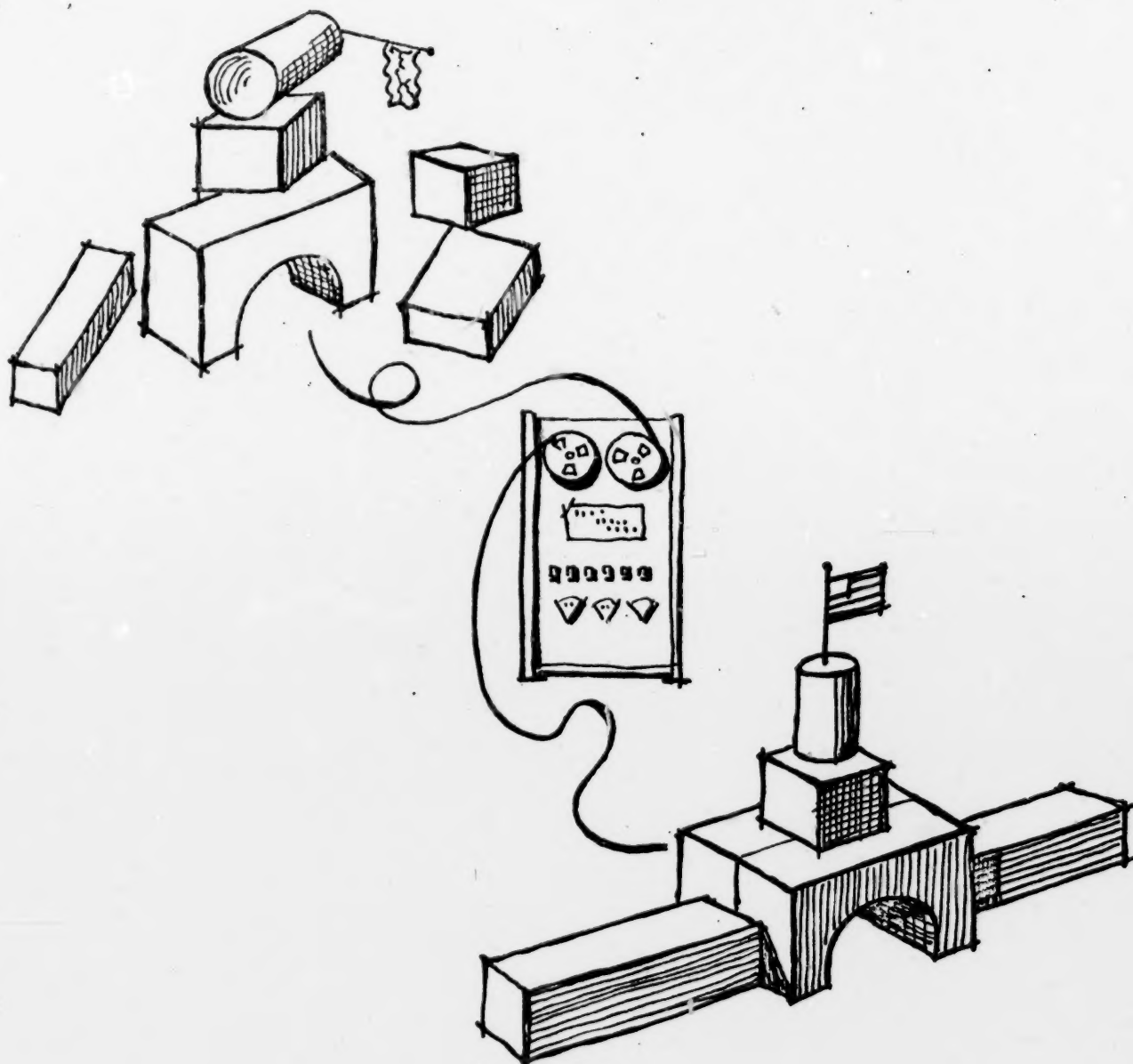
The school plant survey program of the Department has been a continuous cooperative process with the school districts. From June 1945 through June 1973, there have been 403 district-wide school plant surveys and 674 supplementary or spot surveys conducted in the sixty-seven school districts of Florida.

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F  
I  
S  
H

FLORIDA INVENTORY  
OF SCHOOL HOUSES

## FLORIDA INVENTORY OF SCHOOL HOUSES

### Introduction

Until 1971 all inventories of school plants were obtained by survey teams visiting the schools and listing the various types of buildings, service systems, rooms and site conditions in narrative form. These inventories were fairly accurate and very helpful at the time they were made. One handicap that this type of survey had was the inability to update or retrieve data from the inventory of school plants between surveys which often covered a period of five to ten years. Also, conducting surveys during different years in the individual districts limited the ability to establish the total amount of school facilities available at any one time on a statewide basis. In some districts a dozen schools may have been built since the latest survey, but these schools were not officially inventoried until the next official survey in that district.

The main objective of the Florida Inventory of School Houses (FISH) is an automated inventory information retrieval system for Florida's physical facilities in education. This automated system permits the Bureau of School Facilities in the Department of Education to monitor continuously the status of all physical facilities located in all school districts. Instead of only making five-year projections of students and facility needs, a constant check can be made to evaluate the progress being made in keeping new construction at a pace equal to current pupil membership. FISH is an automated system of gathering school facilities data for county, state and federal purposes.

### Data Base Design

There are four files that make up the data base for the facilities inventory system:

19

1. Parcel File. The parcel file is the basic file of the inventory system and is completed for each parcel of land owned, leased or rented by the county school district.
2. Building File. The building file is completed for each individual building on a parcel of land. This file assigns a building to a parcel, gives information concerning ownership, use, structure, exterior walls, heating and cooling systems, lighting, communications systems and fire protection.
3. Room File. The room file is completed for each room or space in each building and given information concerning the building and floor on which it is located, room number, area, teacher stations, pupil stations and room condition. The most significant part of the room file is the room design code which was devised so that each space can be accurately described by a number code which allows easy storage, accurate reporting and quick retrieval of room information.
4. Contract File. The contract file is completed for every capital outlay project in the district school system. A complete analysis of the contract is given showing type of construction, cost of utility installation, site development costs, electrical, heating and plumbing costs, expenditures by state adopted account numbers and allocation of funds by source.

#### Input

To establish FISH in 1972 specific instructions for obtaining the original data for files 1, 2, and 3 were given to principals and district school staff by members of the Survey Section, Bureau of School Facilities at workshops held in the districts. An instruction booklet for completing a

questionnaire concerning school facilities was distributed to all district staff and administrators. District finance officers have and will continue to supply the basic data for the contract file.

The system is maintained and updated by the Bureau of School Facilities and the ~~district~~ school district administrative staff. As contracts are let for capital outlay projects, the contract data is forwarded to the Survey Section, Bureau of School Facilities.

To illustrate the kinds of data in the FISH and the computer printout format for users the first batch report is shown which is a list report combining the data in the parcel file, building file and room file. In real use, special counties may be selected or all counties may be run at one time.

The printout reproduced in Figure 2 is a sample report for an elementary school. The first three lines report parcel data showing: district number, administrative number, parcel number, grid number, address, ownership, acreage, year acquired, year disposed of, capital outlay classification, grades housed, use, gross square feet of construction, school name, building type, water source, sewage treatment, police protection available, fire rating, playground development, landscaping development, parking development, athletic field development, drainage conditions and average daily membership according to grades.

The next two lines describe the first building on the parcel showing: building number, administrative number, primary use, ownership, relocatable units contained, type of structure, external wall finish, stories, types of corridors, heat source, heat distribution, heating adequacy, type cooling, mechanical ventilation, type lighting, lighting adequacy, emergency lighting, phone system, type intercom system, fire alarms, auto sprinklers, fire hoses,

| COUNTY NAME                       | CD          | ADDP    | PAGE   | CHIN     | ST NO   | ST NAME      | CITY        | OWNER  | ACFR       | YACRO   | YADIS   | C     | OUT  | GRADES | USE         | GR 50 FT    |
|-----------------------------------|-------------|---------|--------|----------|---------|--------------|-------------|--------|------------|---------|---------|-------|------|--------|-------------|-------------|
| ALACHUA                           | 31          | 0001    | 008    | CCCCCCCC | 312     | NW 16 AVENUE | GAINESVILLE | SC, RD | 17         | 1933    | 0       | 00    | CC   | ELEM   |             | 59250       |
| SCHOOL NAME                       | BLOG TYPE   | WATER   | SPEC   | STEN     | IN      | POLICE       | FIRE        | PLAYGR | LABORSCAPE | PARKING | ATH-FLD | DRAIN |      |        |             |             |
| STONEY LANTIER                    | SUBD        | PUB     | PUB    |          |         | ELT          | 4           | PASSEY | PASSEY     | CEV     | NGNE    | 1240  |      |        |             |             |
| AVERAGE DAILY ENROLLMENT FOR 1993 |             |         |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
| AGE                               | 1           | 2       | 3      | 4        | 5       | 6            | 7           | 8      | 9          | 10      | 11      | 12    | 13   | 14     | 15          | 16          |
| BLOG                              | ADDP        | PRIME   | USE    | OWNER    | REL     | UN           | STRUCT      | EXT    | WALL       | STOP    | COP     | SPEC  | HEAT | HEAT   | DIST        | HEAT        |
| 01                                | 0001        | ELEM    | SC, RD | 00       | CC, RD  | PP           | 1           | SC, RD | OIL        | 1       | SC, RD  | OIL   | CEM  | H, AIR | AD          | NGNE        |
| LIFE                              | ADDP        | EN      | LIT    | PHON     | INTER   | COM          | TV          | FIRE   | ALA        | AUTO    | SP      | FIRE  | HOSE | EXTING | YR          | CONST       |
| ADU                               | NO          | NO      | COMP   | 2 W. C.  | NGNE    | NO           | NO          | NO     | NO         | NO      | NO      | YES   | YES  | YES    | 1954        | 01008008101 |
| ROOM                              | SUF         | AREA    | FLOOR  | LOC      | DESIGN# | DESIGN       | COOLING     | FLOOR  | COV        | TCH     | STA     | PUPIL | STA  | ROOM   | COND        |             |
| 001                               |             | 175     | 1      |          | 010     | PRIN         | IND UN      | FILE   |            |         |         |       |      | SAI    | 01008008101 |             |
| 002                               |             | 253     | 1      |          | 015     | CLINIC       | NGNE        | TECP   |            |         |         |       |      | SAI    | 01008008101 |             |
| 003                               |             | 200     | 1      |          | 017     | GEN SEC OFF  | IND UN      | FILE   |            |         |         |       |      | SAI    | 01008008101 |             |
| 004                               |             | 100     | 1      |          | 030     | STORAGE      | IND UN      | FILE   |            |         |         |       |      | SAI    | 01008008101 |             |
| PERMANENT                         | TOTAL SAT   | 720     |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
|                                   | TOTAL UNSAT | 0       |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
|                                   | BLOG TOTAL  | 720     |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
| BLOG                              | ADDP        | PRIME   | USE    | OWNER    | REL     | UN           | STRUCT      | EXT    | WALL       | STOP    | COP     | SPEC  | HEAT | HEAT   | DIST        | HEAT        |
| 02                                | 0001        | FD, SEC | SC, RD | 00       | CC, RD  | PP           | 1           | SC, RD | OIL        | 1       | SC, RD  | OIL   | CEM  | H, AIR | AD          | NGNE        |
| LIFE                              | ADDP        | EN      | LIT    | PHON     | INTER   | COM          | TV          | FIRE   | ALA        | AUTO    | SP      | FIRE  | HOSE | EXTING | YR          | CONST       |
| ADU                               | NO          | NO      | COMP   | 2 W. C.  | NGNE    | NO           | NO          | NO     | NO         | NO      | NO      | YES   | YES  | YES    | 1954        | 01008008102 |
| ROOM                              | SUF         | AREA    | FLOOR  | LOC      | DESIGN# | DESIGN       | COOLING     | FLOOR  | COV        | TCH     | STA     | PUPIL | STA  | ROOM   | COND        |             |
| 001                               |             | 522     | 1      |          | 522     | GYMNASIUM    | NGNE        | QUAR   |            |         |         |       |      | SAI    | 01008008102 |             |
| 002                               |             | 1210    | 1      |          | 704     | CAFET        | NGNE        | TECP   |            |         |         |       |      | SAI    | 01008008102 |             |
| 003                               |             | 252     | 1      |          | 704     | CAFET        | NGNE        | TECP   |            |         |         |       |      | SAI    | 01008008102 |             |
| 004                               |             | 54      | 1      |          | 708     | CAFET OFF    | NGNE        | QUAR   |            |         |         |       |      | SAI    | 01008008102 |             |
| 005                               |             | 140     | 1      |          | 733     | EUR RM       | NGNE        | COND   |            |         |         |       |      | SAI    | 01008008102 |             |
| 006                               |             | 80      | 1      |          | 709     | CAFET TOILET | NGNE        | QUAR   |            |         |         |       |      | SAI    | 01008008102 |             |
| PERMANENT                         | TOTAL SAT   | 4503    |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
|                                   | TOTAL UNSAT | 0       |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
|                                   | BLOG TOTAL  | 4503    |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
| BLOG                              | ADDP        | PRIME   | USE    | OWNER    | REL     | UN           | STRUCT      | EXT    | WALL       | STOP    | COP     | SPEC  | HEAT | HEAT   | DIST        | HEAT        |
| 03                                | 0001        | ELEM    | SC, RD | 00       | CC, RD  | PP           | 1           | SC, RD | OIL        | 1       | SC, RD  | OIL   | CEM  | H, AIR | AD          | NGNE        |
| LIFE                              | ADDP        | EN      | LIT    | PHON     | INTER   | COM          | TV          | FIRE   | ALA        | AUTO    | SP      | FIRE  | HOSE | EXTING | YR          | CONST       |
| ADU                               | NO          | NO      | COMP   | 2 W. C.  | NGNE    | NO           | NO          | NO     | NO         | NO      | NO      | YES   | YES  | YES    | 1939        | 01008008103 |
| ROOM                              | SUF         | AREA    | FLOOR  | LOC      | DESIGN# | DESIGN       | COOLING     | FLOOR  | COV        | TCH     | STA     | PUPIL | STA  | ROOM   | COND        |             |
| 001                               |             | 850     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 002                               |             | 840     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 003                               |             | 850     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 004                               |             | 840     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 005                               |             | 850     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 006                               |             | 840     | 1      |          | 003     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | UNSA   | 01008008103 |             |
| 007                               |             | 245     | 1      |          | 791     | GIPL TOILET  | NGNE        | QUAR   |            |         |         |       |      | SAI    | 01008008103 |             |
| 008                               |             | 250     | 1      |          | 790     | BOYS TOILET  | NGNE        | QUAR   |            |         |         |       |      | SAI    | 01008008103 |             |
| 009                               |             | 257     | 1      |          | 011     | ASST PRIN    | NGNE        | FILE   |            |         |         |       |      | SAI    | 01008008103 |             |
| 010                               |             | 501     | 1      |          | 041     | TCH LOUNGE   | NGNE        | FILE   |            |         |         |       |      | SAI    | 01008008103 |             |
| 010                               |             | 920     | 1      |          | 002     | INTM C.R.    | NGNE        | FILE   |            |         |         | 30    |      | SAI    | 01008008103 |             |
| 011                               |             | 120     | 1      |          | 830     | STORAGE      | NGNE        | FILE   |            |         |         |       |      | UNSA   | 01008008103 |             |
| 012                               |             | 1-09    | 1      |          | 800     | INSIDE GING  | NGNE        | FILE   |            |         |         |       |      | UNSA   | 01008008103 |             |
| PERMANENT                         | TOTAL SAT   | 2173    |        |          |         |              |             |        |            |         |         |       |      |        |             |             |
|                                   | TOTAL UNSAT | 556     |        |          |         |              |             |        |            |         |         |       |      |        |             |             |

fire extinguishers and year of construction.

The columns following each building report describe the rooms contained within the building showing: room number and suffix, area, floor location, room design, type cooling, floor covering, teacher stations, pupil stations. A designation of the building as permanent or relocatable is also listed in the summary.

To date, 2,772 parcels, 14,301 buildings and 164,188 room records have been loaded into the files; this data represents virtually 100 per cent of all elementary and secondary schools in Florida.

The second batch report is the contract report which records data by district, parcel number, and contract number which records historically all costs charged to a particular parcel or school. The contract data is shown in Figure 3 below.

CONTRACT REPORT FOR - NEW BUILDING      YEAR - TO 07/16/72      PAGE 2  
DISTRICT NUMBER - 18      PARCEL NUMBER - 112      PROJECT NUMBER - 0003  
DATE CONTRACT LET - 09/72  
TYPE OF CONSTRUCTION - 01      ADDITIONAL ACREAGE - 000      GROSS SQ. FT. - 83,327  
INCREASE IN PUPIL STATIONS - 712      INCREASE IN TEACHER STATIONS - 25  
CONTRACT COST - \$1,390,681      LEGAL AND ADMINISTRATIVE COSTS - \$22,120  
ARCHITECT AND ENGINEER COSTS - \$0      FURNITURE AND EQUIPMENT COST - \$17,850  
TOTAL COST - \$1,490,900

#### CONTRACT COST ANALYSIS

COST PER PUPIL STATION - \$1,953  
COST PER TEACHER STATION - \$55,627  
COST PER SQUARE FOOT - \$16.88

#### TOTAL COST ANALYSIS

COST PER PUPIL STATION - \$2,093

COST PER TEACHER STATION - \$59,636

COST PER SQUARE FOOT - \$17.89

#### FIGURE 3

##### SECOND BATCH REPORT

In addition to the two standard reports shown in Figures 2 and 3, the data in the four files are used as input data for the Puerto Rico Educational and Statistical System (PRESS), which is used by the Florida Department of Education Data Center for data retrieval, output reports and statistical reports.

PRESS is composed of a group of interrelated computer programs that perform selective data retrieval, statistical computations, and report preparation using formatted files as a data source. Through the use of a basic control language the user may request a sequence of statistical procedures, data analysis or report writing.

PRESS is especially useful in answering the many questions asked the Bureau of School Facilities concerning educational facilities in Florida.

Figure 4 is a PRESS report that illustrates how data can be retrieved from the FISH files. This report lists data on non-air-conditioned rooms in a school district by design code, school number, floor location, total square feet and total rooms.

NON AIR CONDITIONED ROOMS BY DESIGN CODE 001 - 005

SUM PER ADM-UNIT-NO - 0321

ROOM-SQ-FT - 12545

---

SUM PER LOCATION - 1

ROOM-SQ-FT - 315164

---

COUNT PER ADM-UNIT-NO - 0321

ROOM-NO - 15

---

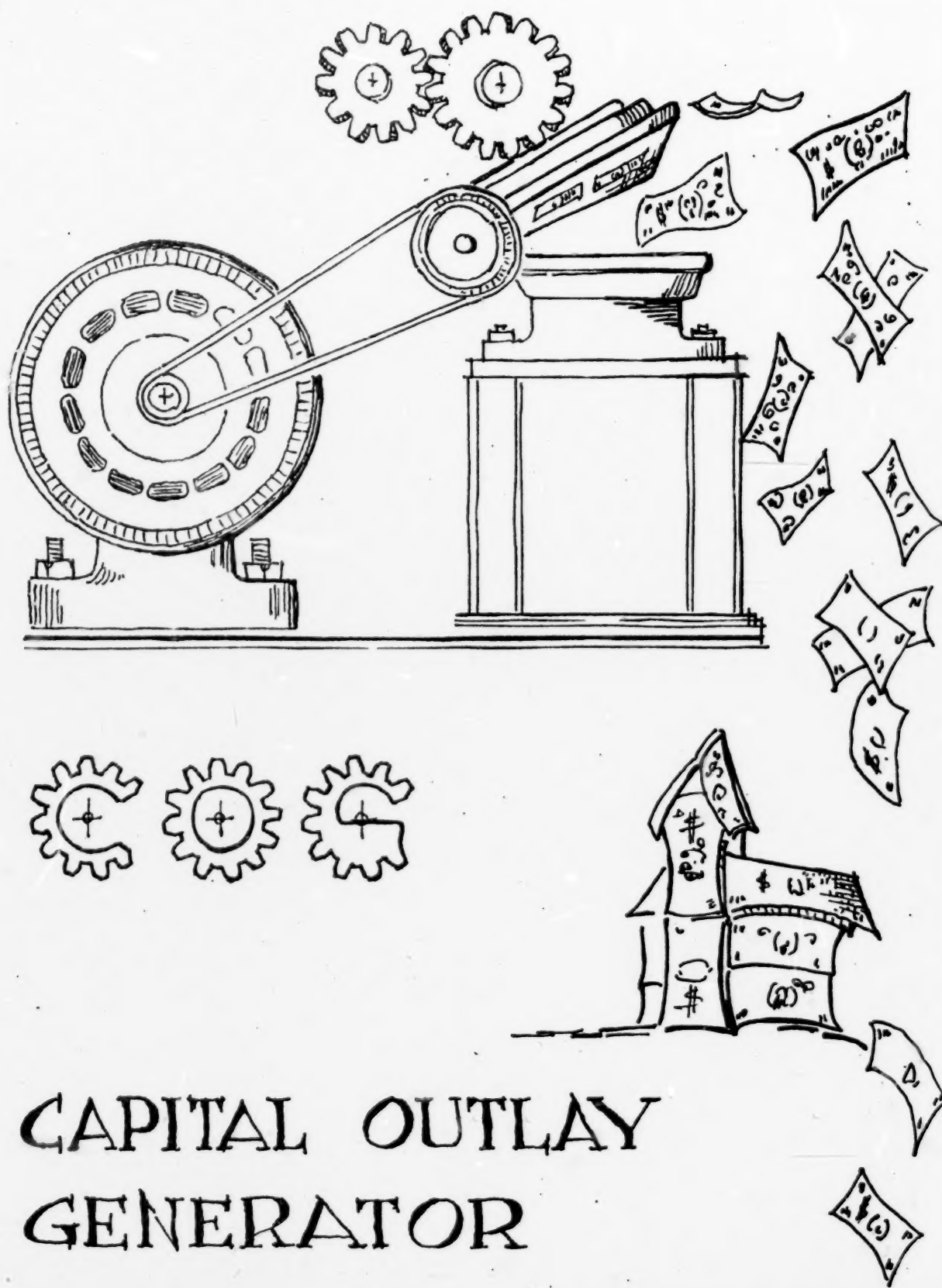
COUNT PER LOCATION - 1

ROOM-NO - 385

---

FIGURE 4

SAMPLE PRESS REPORT



# CAPITAL OUTLAY GENERATOR

## CAPITAL OUTLAY GENERATOR

Part of the intent of the Florida Education Finance Act of 1973 is for the state to assume a greater share of the funding of school construction.

To facilitate the determination of school plant needs and to equitably allocate state funds, the Capital Outlay Generator (C.O.G.) model was developed. Figure 5 illustrates the Capital Outlay Generator. The following terms and explanation explicitly describe the model.

### Terms and Explanations

- I. ADM - Total days membership divided by total days of school.
- II. District Housing Index - The capability of a county to house pupils.  
As is often the case, it is necessary to have some empty pupil stations in certain schools and overcrowded conditions in other schools within the same district due to geographical location of schools and pupils. This relationship of total pupils to be housed to the total pupil stations is the source of the Housing Index obtained by dividing the total pupils to be housed by the recommended capacity of all schools within the district.
- III. Adjusted Pupil Capacity Needed - ADM multiplied by the district housing index.
- IV. Existing Capacity - Obtained from FISH using Department of Education Survey Section standards for square footage categories of standard classrooms, and individual school districts standards for all other rooms.
- V-VI. Existing Capacity Status - Required capacity minus existing capacity; can be minus (deficient) or plus (surplus).

- VII. Square Foot Construction Needs - Obtained by multiplying capacity deficiencies by recommended square feet per pupil. (Appendix X, XI, XII, and XIII)
- VIII. Construction Cost Index - Obtained from Hunnicut and Associates. Index shows various construction costs using Leon County as a base of 1.00. (Appendix XV)
- IX. Existing Capital Outlay Need - Obtained by multiplying square footage need by the estimated 1973-74 square foot cost by construction cost index. Based upon an inflation of 20.9% over the 1971-72 cost assuming that any construction needs in 1971-72 could probably not be let for bid for almost two years.
- X. Projected ADM 1976-77 - Obtained from Survey Section. Basically, there are two methods used to predict pupil populations--the regression approach and the survival ratio method. Neither has proved wholly satisfactory, though both have been successful over short time periods and under relatively stable economic conditions. More recently, a computerized cohort-survival model was tested on-line in Collier County, Florida. Appendix IX shows the output provided.
- XI. Adjusted Capacity Required - Same as Item III only for the 1976-77 school year.
- XII. Projected Capacity Status - Same as Item V only for the 1976-77 school year.
- XIII. Increase Square Feet Needed - Same as Item VI only for the 1976-77 school year.
- XIV. Capital Outlay Need 1976-77 - Obtained by same method as above in Item VIII except using the square feet cost projected to 1974-75 which is inflated to 30% above the square foot cost of 1971-72.

Items in parenthesis in Column V are needed for the 1972-73 school year but are not projected to be needed for the 1976-77 school year so they are not included in the column totals and no costs are shown.

Capital outlay need for 1976-77 includes existing costs.

Kindergarten facilities are shown separately from elementary facilities for illustration only. In some cases where there is a kindergartner deficiency yet an elementary capacity, the surplus elementary was treated as kindergarten capacity and is shown under the column "SURPLUS FROM ELEMENTARY".

In instances where schools contain both elementary and secondary grades, an attempt was made to divide the capacity into the appropriate elementary and secondary categories.

The administrative costs for developing this system were approximately \$84,000. The estimated annual operating cost is \$14,000. (Appendix XVI)

EXISTING NEEDS FOR CAPITAL OUTLAY

| COUNTY       | ELEMENTARY SCHOOL     |                                  |                                         |                            |                                         |                                       |                                              |                                       |                                                     |
|--------------|-----------------------|----------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|---------------------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------|
|              | I<br>A O M<br>1971-72 | II<br>COUNTY<br>HOUSING<br>INDEX | III<br>ADJUSTED<br>CAPACITY<br>REQUIRED | IV<br>EXISTING<br>CAPACITY | V<br>EXISTING<br>CAPACITY<br>DEFICIENCY | VI<br>EXISTING<br>CAPACITY<br>SURPLUS | VII<br>CONSTRUCTION<br>NEED AT<br>80 SQ. FT. | VIII<br>CONSTRUCTION<br>COST<br>INDEX | IX<br>EXISTING<br>CAPITAL OUTLAY<br>NEED AT \$21.66 |
| ALACHUA      | 10409                 | 1.09                             | 11346                                   | 11731                      | 0                                       | 285                                   | 0                                            | .99                                   | 0                                                   |
| BAKES        | 1269                  | 1.10                             | 1418                                    | 1915                       | 0                                       | 407                                   | 0                                            | .91                                   | 0                                                   |
| BAY          | 8411                  | 1.06                             | 2916                                    | 8197                       | ( 719)                                  | 0                                     | 0                                            | .91                                   | 0                                                   |
| BRANFORD     | 1444                  | 1.10                             | 2033                                    | 1865                       | ( 168)                                  | 0                                     | 0                                            | .91                                   | 0                                                   |
| BREVARD      | 29283                 | 1.02                             | 25869                                   | 32010                      | 0                                       | 2141                                  | 0                                            | .90                                   | 0                                                   |
| BROWARD      | 50605                 | 1.00                             | 50605                                   | 54994                      | 0                                       | 4388                                  | 0                                            | 1.86                                  | 0                                                   |
| CALHOUN      | 1043                  | 1.08                             | 1439                                    | 1420                       | ( 19)                                   | 0                                     | 0                                            | .84                                   | 0                                                   |
| CHARLOTTE    | 1672                  | 1.01                             | 1881                                    | 1953                       | 0                                       | 62                                    | 0                                            | 1.03                                  | 0                                                   |
| CITRUS       | 1591                  | 1.01                             | 1607                                    | 1446                       | ( 161)                                  | 0                                     | 0                                            | .93                                   | 0                                                   |
| CLAY         | 4817                  | 1.00                             | 4817                                    | 4925                       | 0                                       | 108                                   | 0                                            | .94                                   | 0                                                   |
| COLLIER      | 4475                  | 1.01                             | 4520                                    | 4645                       | 0                                       | 125                                   | 0                                            | 1.06                                  | 0                                                   |
| COLUMBIA     | 3344                  | 1.00                             | 3344                                    | 2488                       | 860                                     | 0                                     | 68800                                        | .96                                   | 1436600                                             |
| DADE         | 119837                | 1.00                             | 115837                                  | 117250                     | 2587                                    | 0                                     | 206960                                       | 1.11                                  | 4975856                                             |
| DE SOTO      | 1623                  | 1.09                             | 1769                                    | 970                        | 799                                     | 0                                     | 63926                                        | .96                                   | 1329243                                             |
| DIXIE        | 771                   | 1.10                             | 848                                     | 1115                       | 0                                       | 267                                   | 0                                            | .89                                   | 0                                                   |
| DUVAL        | 58906                 | 1.02                             | 55942                                   | 63036                      | 0                                       | 3054                                  | 0                                            | .97                                   | 0                                                   |
| ESCAMBIA     | 19554                 | 1.01                             | 19754                                   | 21649                      | 0                                       | 1895                                  | 0                                            | .97                                   | 0                                                   |
| FLAGLER      | 687                   | 1.02                             | 615                                     | 780                        | 0                                       | 161                                   | 0                                            | .91                                   | 0                                                   |
| FRANKLIN     | 685                   | 1.03                             | 706                                     | 720                        | 0                                       | 14                                    | 0                                            | .86                                   | 0                                                   |
| GADSDEN      | 5039                  | 1.02                             | 5140                                    | 7174                       | 0                                       | 2038                                  | 0                                            | .86                                   | 0                                                   |
| GILCHRIST    | 595                   | 1.01                             | 602                                     | 595                        | ( 7)                                    | 0                                     | 0                                            | .81                                   | 0                                                   |
| GLADES       | 502                   | 1.26                             | 633                                     | 720                        | 0                                       | 87                                    | 0                                            | .89                                   | 0                                                   |
| GULF         | 1244                  | 1.10                             | 1373                                    | 1495                       | 0                                       | 122                                   | 0                                            | 1.00                                  | 0                                                   |
| HAMILTON     | 1130                  | 1.14                             | 1288                                    | 1165                       | 123                                     | 0                                     | 9856                                         | .86                                   | 149998                                              |
| HARDEE       | 1852                  | 1.01                             | 1871                                    | 1305                       | 566                                     | 0                                     | 45242                                        | .96                                   | 949736                                              |
| HENDRY       | 1847                  | 1.00                             | 1847                                    | 1710                       | 117                                     | 0                                     | 9360                                         | 1.00                                  | 282738                                              |
| HERNANDO     | 2358                  | 1.00                             | 2358                                    | 2800                       | 0                                       | 442                                   | 0                                            | .93                                   | 0                                                   |
| HIGHLANDS    | 2596                  | 1.00                             | 2804                                    | 2871                       | 0                                       | 67                                    | 0                                            | .91                                   | 0                                                   |
| HILLSBOROUGH | 54769                 | 1.00                             | 54769                                   | 51196                      | 3573                                    | 0                                     | 285840                                       | 1.01                                  | 6253287                                             |
| HOLMES       | 1404                  | 1.17                             | 1647                                    | 1316                       | ( 331)                                  | 0                                     | 0                                            | .89                                   | 0                                                   |
| INDIAN RIVER | 4379                  | 1.02                             | 4416                                    | 4388                       | ( 116)                                  | 0                                     | 0                                            | 1.06                                  | 0                                                   |
| JACKSON      | 3942                  | 1.13                             | 4454                                    | 3188                       | 1354                                    | 0                                     | 108357                                       | .87                                   | 2841897                                             |
| JEFFERSON    | 804                   | 1.21                             | 973                                     | 960                        | ( 13)                                   | 0                                     | 0                                            | .89                                   | 0                                                   |
| LAFAYETTE    | 359                   | 1.29                             | 431                                     | 485                        | 26                                      | 0                                     | 2864                                         | .81                                   | 36212                                               |
| LAKE         | 7107                  | 1.01                             | 7180                                    | 6725                       | ( 655)                                  | 0                                     | 0                                            | .93                                   | 0                                                   |
| LEE          | 10033                 | 1.01                             | 10133                                   | 11977                      | 0                                       | 1844                                  | 0                                            | 1.03                                  | 0                                                   |
| LEON         | 8414                  | 1.14                             | 9592                                    | 9181                       | ( 411)                                  | 0                                     | 0                                            | 1.00                                  | 0                                                   |
| LEVY         | 1805                  | 1.01                             | 1823                                    | 2488                       | 0                                       | 565                                   | 0                                            | .87                                   | 0                                                   |
| LINCOLN      | 455                   | 1.16                             | 528                                     | 583                        | 0                                       | 35                                    | 0                                            | .83                                   | 0                                                   |
| MADISON      | 1044                  | 1.15                             | 1269                                    | 1278                       | 0                                       | 1                                     | 0                                            | .86                                   | 0                                                   |
| MANATEE      | 8202                  | 1.03                             | 8448                                    | 9165                       | 0                                       | 717                                   | 0                                            | 1.00                                  | 0                                                   |
| MARION       | 7624                  | 1.05                             | 8001                                    | 7909                       | ( 92)                                   | 0                                     | 0                                            | .91                                   | 0                                                   |
| MARTIN       | 3174                  | 1.03                             | 3269                                    | 2220                       | 1049                                    | 0                                     | 83938                                        | 1.04                                  | 1498812                                             |
| MONROE       | 5539                  | 1.00                             | 5539                                    | 5474                       | ( 61)                                   | 0                                     | 0                                            | 1.14                                  | 0                                                   |
| NASSAU       | 3449                  | 1.05                             | 3201                                    | 2478                       | ( 723)                                  | 0                                     | 0                                            | .93                                   | 0                                                   |
| OKALOSA      | 13384                 | 1.18                             | 15793                                   | 14106                      | 1687                                    | 0                                     | 134979                                       | .98                                   | 2631897                                             |
| OKFUCHWEE    | 1981                  | 1.01                             | 2081                                    | 875                        | 1126                                    | 0                                     | 98865                                        | 1.00                                  | 1958884                                             |
| ORANGE       | 43556                 | 1.00                             | 43556                                   | 46835                      | 0                                       | 2479                                  | 0                                            | .97                                   | 0                                                   |
| OSCEOLA      | 2652                  | 1.02                             | 2705                                    | 3648                       | 0                                       | 943                                   | 0                                            | .94                                   | 0                                                   |
| PALM BEACH   | 32515                 | 1.05                             | 35194                                   | 35950                      | 0                                       | 756                                   | 0                                            | 1.04                                  | 0                                                   |
| PASCO        | 7388                  | 1.00                             | 7388                                    | 5889                       | 1499                                    | 0                                     | 119920                                       | .93                                   | 2415744                                             |
| PIKE         | 40448                 | 1.01                             | 41256                                   | 39528                      | 1728                                    | 0                                     | 138278                                       | 1.01                                  | 3025861                                             |
| PUTNAM       | 28955                 | 1.07                             | 30982                                   | 28075                      | 2907                                    | 0                                     | 232548                                       | .97                                   | 4885883                                             |
| ST. JOHNS    | 4619                  | 1.05                             | 4850                                    | 5118                       | 0                                       | 268                                   | 0                                            | .91                                   | 0                                                   |
| ST. LUCIE    | 3713                  | 1.04                             | 4016                                    | 4165                       | 0                                       | 155                                   | 0                                            | .97                                   | 0                                                   |
| SANTAROSA    | 5069                  | 1.01                             | 5120                                    | 7655                       | 2485                                    | 0                                     | 197175                                       | 1.04                                  | 4441647                                             |
| SARASOTA     | 4812                  | 1.02                             | 4904                                    | 4379                       | ( 529)                                  | 0                                     | 0                                            | .98                                   | 0                                                   |
| SEMINOLE     | 9862                  | 1.01                             | 9961                                    | 10321                      | 0                                       | 360                                   | 0                                            | 1.01                                  | 0                                                   |
| SUMTER       | 13426                 | 1.01                             | 13442                                   | 13412                      | ( 130)                                  | 0                                     | 0                                            | .96                                   | 0                                                   |
| SUNMANEE     | 1811                  | 1.00                             | 1811                                    | 1423                       | ( 388)                                  | 0                                     | 0                                            | .98                                   | 0                                                   |
| TAYLOR       | 1917                  | 1.10                             | 2189                                    | 1158                       | 959                                     | 0                                     | 75696                                        | .89                                   | 1478499                                             |
| UNION        | 1983                  | 1.04                             | 1979                                    | 1885                       | ( 174)                                  | 0                                     | 0                                            | .87                                   | 0                                                   |
| VOLUSIA      | 237                   | 1.10                             | 261                                     | 360                        | 0                                       | 99                                    | 0                                            | .89                                   | 0                                                   |
| WAKULLA      | 16054                 | 1.02                             | 16374                                   | 17285                      | 0                                       | 911                                   | 0                                            | .97                                   | 0                                                   |
| WALTON       | 955                   | 1.03                             | 984                                     | 1120                       | 0                                       | 136                                   | 0                                            | .91                                   | 0                                                   |
| WASHINGTON   | 1922                  | 1.00                             | 1922                                    | 1913                       | ( 9)                                    | 0                                     | 0                                            | .98                                   | 0                                                   |
| WASHINGTON   | 1432                  | 1.07                             | 1532                                    | 1499                       | ( 33)                                   | 0                                     | 0                                            | .84                                   | 0                                                   |
| TOTALS       | 698285                |                                  | 715259                                  | 712162                     | 23425<br>( 4820)                        | 25118                                 | 1473994                                      |                                       | 48119933                                            |

FIGURE 5

CAPITAL OUTLAY GENERATOR

PROJECTED NEEDS FOR CAPITAL OUTLAY

ELEMENTARY SCHOOL

| COUNTY       | X<br>A O H<br>PROJECTIONS | XI<br>ADJUSTED CAPACITY<br>REQUIREMENT | XII 1976-77<br>PROJECTED<br>CAPACITY<br>DEFICIENCIES | XIII<br>PROJECTED<br>CAPACITY<br>SURPLUS | XIV<br>INCREASE SQ.FT.<br>NEEDED AT 80<br>SQ.FT. PER CHILD | XV<br>CAPITAL OUTLAY<br>NEEDED AT \$24.00 |
|--------------|---------------------------|----------------------------------------|------------------------------------------------------|------------------------------------------|------------------------------------------------------------|-------------------------------------------|
| ALACHUA      | 10540                     | 11449                                  | 0                                                    | 242                                      | 0                                                          | 0                                         |
| DAKER        | 1171                      | 1213                                   | 0                                                    | 627                                      | 0                                                          | 0                                         |
| DAY          | 6924                      | 7339                                   | 0                                                    | 858                                      | 0                                                          | 0                                         |
| BRADFORD     | 1806                      | 1767                                   | 0                                                    | 98                                       | 0                                                          | 0                                         |
| BRIVARD      | 23450                     | 23919                                  | 0                                                    | 891                                      | 0                                                          | 0                                         |
| BROWARD      | 56422                     | 56422                                  | 1428                                                 | 0                                        | 114240                                                     | 2906266                                   |
| CALHOUN      | 639                       | 1256                                   | 0                                                    | 124                                      | 0                                                          | 0                                         |
| CHARLOTTE    | 1467                      | 1422                                   | 0                                                    | 471                                      | 0                                                          | 0                                         |
| CITRUS       | 1374                      | 1350                                   | 0                                                    | 56                                       | 0                                                          | 0                                         |
| CLAY         | 5479                      | 5479                                   | 554                                                  | 0                                        | 44320                                                      | 999859                                    |
| COLLIER      | 5780                      | 5838                                   | 1193                                                 | 0                                        | 95424                                                      | 2427587                                   |
| COLUMBIA     | 3336                      | 3336                                   | 848                                                  | 0                                        | 67840                                                      | 1563034                                   |
| DADE         | 119596                    | 119556                                 | 2348                                                 | 0                                        | 187680                                                     | 499795                                    |
| DE SOTO      | 1765                      | 1785                                   | 736                                                  | 0                                        | 58868                                                      | 1356319                                   |
| DIXIE        | 732                       | 885                                    | 0                                                    | 310                                      | 0                                                          | 0                                         |
| DUVAL        | 53292                     | 54358                                  | 0                                                    | 8678                                     | 0                                                          | 0                                         |
| ESCAMBIA     | 17150                     | 17321                                  | 0                                                    | 4328                                     | 0                                                          | 0                                         |
| FLAGLER      | 455                       | 464                                    | 0                                                    | 316                                      | 0                                                          | 0                                         |
| FRANKLIN     | 624                       | 643                                    | 0                                                    | 77                                       | 0                                                          | 0                                         |
| GADSDEN      | 4658                      | 4751                                   | 0                                                    | 2427                                     | 0                                                          | 0                                         |
| GILCHRIST    | 252                       | 356                                    | 0                                                    | 239                                      | 0                                                          | 0                                         |
| GLADYS       | 563                       | 789                                    | 0                                                    | 11                                       | 0                                                          | 0                                         |
| GULF         | 1641                      | 1156                                   | 0                                                    | 339                                      | 0                                                          | 0                                         |
| HAMILTON     | 1042                      | 1231                                   | 56                                                   | 0                                        | 3654                                                       | 78058                                     |
| HARDEE       | 1868                      | 1879                                   | 574                                                  | 0                                        | 45888                                                      | 1057260                                   |
| HENDRY       | 1832                      | 1822                                   | 182                                                  | 0                                        | 8160                                                       | 195840                                    |
| HERNANDO     | 2549                      | 2549                                   | 0                                                    | 251                                      | 0                                                          | 0                                         |
| HIGHLANDS    | 2282                      | 2378                                   | 0                                                    | 493                                      | 0                                                          | 0                                         |
| HILLSBOROUGH | 52146                     | 52146                                  | 950                                                  | 0                                        | 76000                                                      | 1842240                                   |
| HOLMES       | 1086                      | 1271                                   | 0                                                    | 45                                       | 0                                                          | 0                                         |
| INDIAN RIVER | 4157                      | 4240                                   | 0                                                    | 68                                       | 0                                                          | 0                                         |
| JACKSON      | 3714                      | 3632                                   | 532                                                  | 0                                        | 42546                                                      | 888352                                    |
| JEFFERSON    | 781                       | 945                                    | 0                                                    | 15                                       | 0                                                          | 0                                         |
| LAFAYETTE    | 741                       | 412                                    | 7                                                    | 0                                        | 528                                                        | 10264                                     |
| LAKE         | 6450                      | 6514                                   | 0                                                    | 211                                      | 0                                                          | 0                                         |
| LEE          | 11692                     | 11809                                  | 0                                                    | 168                                      | 0                                                          | 0                                         |
| LEON         | 7699                      | 8777                                   | 0                                                    | 324                                      | 0                                                          | 0                                         |
| LEVY         | 1603                      | 1619                                   | 0                                                    | 769                                      | 0                                                          | 0                                         |
| LIMBERTY     | 397                       | 461                                    | 0                                                    | 102                                      | 0                                                          | 0                                         |
| MADISON      | 910                       | 1056                                   | 0                                                    | 214                                      | 0                                                          | 0                                         |
| MANATEE      | 8896                      | 9163                                   | 0                                                    | 2                                        | 0                                                          | 0                                         |
| MARTIN       | 6745                      | 7022                                   | 0                                                    | 827                                      | 0                                                          | 0                                         |
| MARTIN       | 3218                      | 3315                                   | 1095                                                 | 0                                        | 87563                                                      | 2185577                                   |
| MONROE       | 5133                      | 5133                                   | 0                                                    | 345                                      | 0                                                          | 0                                         |
| NASSAU       | 2791                      | 2466                                   | 0                                                    | 72                                       | 0                                                          | 0                                         |
| OKALOOSA     | 14126                     | 16669                                  | 2563                                                 | 0                                        | 205014                                                     | 4428311                                   |
| OSCEOLA      | 1788                      | 1806                                   | 931                                                  | 0                                        | 74470                                                      | 1787290                                   |
| ORANGE       | 41286                     | 41286                                  | 0                                                    | 4749                                     | 0                                                          | 0                                         |
| OSCEOLA      | 3348                      | 3425                                   | 0                                                    | 223                                      | 0                                                          | 0                                         |
| PALM BEACH   | 46572                     | 38411                                  | 2451                                                 | 0                                        | 196840                                                     | 4893358                                   |
| PASCO        | 7532                      | 7532                                   | 1723                                                 | 0                                        | 137840                                                     | 3076549                                   |
| PINELLAS     | 40211                     | 48613                                  | 1085                                                 | 0                                        | 86899                                                      | 2184245                                   |
| POLK         | 28271                     | 30357                                  | 2282                                                 | 0                                        | 182558                                                     | 4249941                                   |
| PUTNAM       | 4740                      | 4557                                   | 0                                                    | 553                                      | 0                                                          | 0                                         |
| ST. JOHNS    | 2756                      | 2976                                   | 0                                                    | 1189                                     | 0                                                          | 0                                         |
| ST. LUCIE    | 5381                      | 5435                                   | 2780                                                 | 0                                        | 222385                                                     | 5558725                                   |
| SANTAPATA    | 3962                      | 4041                                   | 0                                                    | 1338                                     | 0                                                          | 0                                         |
| SARASOTA     | 8704                      | 8751                                   | 0                                                    | 1530                                     | 0                                                          | 0                                         |
| SEMINOLE     | 9222                      | 9920                                   | 0                                                    | 1492                                     | 0                                                          | 0                                         |
| SUMTER       | 1422                      | 1422                                   | 0                                                    | 1                                        | 0                                                          | 0                                         |
| SUWANNEE     | 1585                      | 1743                                   | 593                                                  | 0                                        | 47480                                                      | 1014173                                   |
| TAYLOR       | 1820                      | 1885                                   | 0                                                    | 120                                      | 0                                                          | 0                                         |
| UNION        | 166                       | 183                                    | 0                                                    | 177                                      | 0                                                          | 0                                         |
| VOLUSIA      | 16577                     | 16983                                  | 0                                                    | 382                                      | 0                                                          | 0                                         |
| WAKULLA      | 722                       | 744                                    | 0                                                    | 376                                      | 0                                                          | 0                                         |
| WALTON       | 1419                      | 1419                                   | 0                                                    | 494                                      | 0                                                          | 0                                         |
| WASHINGTON   | 1381                      | 1264                                   | 0                                                    | 235                                      | 0                                                          | 0                                         |
| TOTALS       | 677650                    | 693908                                 | 24816                                                | 43058                                    | 1985315                                                    | 47615881                                  |

FIGURE 5 (Continued)

### PER PUPIL SPACE REQUIREMENTS

Per pupil space requirements identified in Accreditation Standards, State Board of Education Regulations, Chapter 6A-2, Chapter 235, Florida Statutes, and selected hypothetical calculations form the basis for the minimum square footage per pupil factors in the Florida Capital Outlay Generator (C.O.G.).

A team of educators and architects within the Bureau of School Facilities arrived at the minimum square feet per pupil factors: 80 square feet per pupil for grades K-5; 90 square feet per pupil for grades 6-8; 100 square feet per pupil for grades 7-9 and 106 square feet per pupil for grades 9-12.

Models have been developed (see Appendix X, XI, XII, XIII) which show the types of spaces and the minimum square feet per person or per space using a variable number of pupils ranging from 600 to 2,000 to arrive at minimum square feet per pupil.

The program element of the K-5 model (Appendix X) was developed on the assumption that spaces identified in column one (1) of the model contain essential elements of a minimum program over and above the traditional classroom, office and general services provided such as:

- Music
- Art
- Crafts
- Reading
- Counseling service
- Regular physical education activity
- Planning offices (planning)

The program element of the 6-8 model (Appendix XI) was developed on the assumption that in addition to those elements in a minimum program for

K-5, there are other essentials in grades 6-8 such as:

- Separate choral and instrumental music rooms
- Large group instructional activity
- Additional library activity
- Business education
- Home economics
- Industrial arts
- Special spaces for science
- Pre-vocational activities

The program element of the 7-9 model (Appendix XII) was developed on the assumption that in addition to the elements in a minimum program for K-5, and 6-8, there are additional essentials in grades 7-9 such as:

- Additional pupil accounting and financial accounting in administering the school
- Additional physical education activity
- Vocational activities

The program element of the 9-12 model (Appendix XIII) was developed on the assumption that in addition to the elements in a minimum program for K-5, 6-8, and 7-9, there are additional essentials in grades 9-12 such as:

- Additional pupil accounting and financial accounting in administering the school
- Additional physical education activity
- Vocational activities

## CAPITAL OUTLAY FUNDING TECHNIQUES

### Introduction

Over the years, Florida school districts have had various federal, state and district sources of funds available for capital outlay purposes. Graphically, these funds by source are shown in Figure 6 and described as follows:

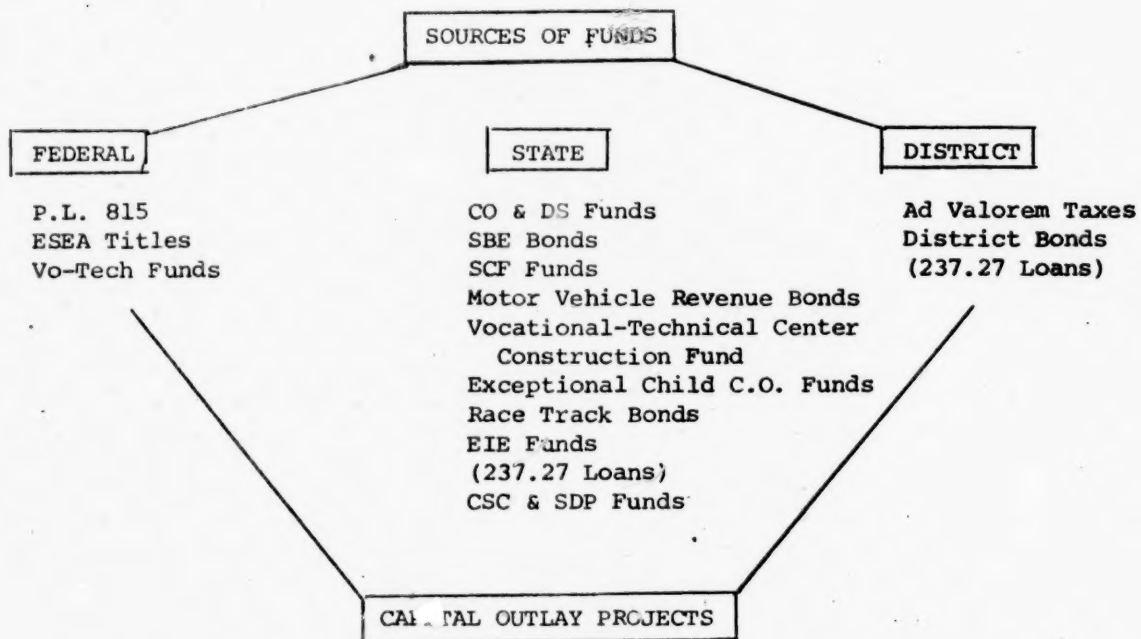


FIGURE 6

### Federal Funds

Public Law 815 - In the past Federal funds have been provided for construction of school facilities in areas having large concentrations of federal civilian and military personnel. Although approximately \$45,500,000 has been made available to seventeen school districts in Florida, any further anticipation of capital outlay funds from Public Lay 815 seems remote.

Elementary and Secondary Education Act - Various titles under this act have provided funds for equipment in new school facilities, and to provide portable classroom facilities to temporarily house certain instructional programs.

Vocational Education Act - Funds from Public Law 50-976 are made available to school districts for construction at designated area vocational-technical centers. Funds are expended according to Florida's approved plan for vocational-technical education. These funds may also be used to purchase equipment for vocational-technical programs and facilities.

#### State Funds

Capital Outlay and Debt Service (CO & DS) Funds - Beginning in 1947 the Minimum Foundation Program has provided for the State to assist the districts in financing school construction and debt service. Initially, \$300 per instruction unit per year was provided with a required district matching effort of \$100. The district matching requirement was discontinued in 1949 and each district has been eligible to receive \$400 per instruction unit per year from the State until the 1972-73 school year.

The 1972 Legislature changed the allocation from \$400 to \$600 per instruction unit for the school year 1967-68 (base year) and provided \$800 per instruction unit for all units earned (growth units) in excess of units earned in 1967-68. Funds derived from this source were expended for pay-as-you-go capital outlay projects or for debt service on district bonds, State Board of Education bonds, Motor Vehicle bonds, or 237.27 loans. Proceeds from the bonds or loans were expended on survey-recommended needs.

State Board of Education Funds (SBE) - A Constitutional amendment originally approved by the electors in 1952, guaranteed the \$400 per instruction

25

in average daily attendance over the previous year, if the amount were matched with district funds. Each eligible school district could have available annually \$400 multiplied by the increase in ADA over the previous year. The funds deposited to the school construction fund account in the district were to be expended for construction or reconstruction according to a priority of needs as shown by a survey.

The 1968 special session of the Legislature increased the per pupil allocation to \$800 with the district matching requirement remaining at \$200. The 1970 Legislature removed the district matching requirement. The provision for these funds were repealed by the 1972 Legislature with the passage of the Constitutional Amendment and with inclusion of "growth" units.

Motor Vehicle Revenue Bonds - The 1967 Legislature made provisions whereby school district school boards could issue revenue bonds and the principal and interest on such bonds were to be paid solely from funds distributed annually to the issuing board from Capital Outlay and Debt Service Funds. The law allowed the district school boards to pledge their annual allocation of CO and DS funds in excess of the seventy-five (75) per cent that could be pledged for State Board of Education Bonds.

Section 236.611, Florida Statutes states:

"The school boards of the several districts of the state are hereby authorized to acquire, construct, enlarge, improve, repair, remodel, and equip and furnish schools and school facilities in order of priority of needs as shown by a survey or surveys conducted in the district under regulations of the State Board of Education and approved by the department."

Vocational-Technical Center Construction Fund - The Constitution was amended in 1963 permitting the State to issue bonds to finance construction at universities, community colleges and vocational technical centers. The

unit for capital outlay and debt service from motor vehicle license fees for a period of 30 years. This proviso was further amended in 1964 to pledge this continued support to the districts until the year 2000. The Constitutional Amendment authorized the State Board of Education to issue bonds on behalf of the various school districts. By providing an assured source of revenue for thirty years from motor vehicle license fees, this amendment provided a method for borrowing up to seventy-five (75) per cent of the anticipated amount that a school district would receive based on the annual \$400 per instruction unit per year.

The Florida voters on November 7, 1972 approved a Constitutional Amendment to extend the life of SBE bonds until July 1, 2007 and incorporated the \$600 and \$800 per instruction unit allocation to be guaranteed from motor vehicle license fees. The amendment also increased from seventy-five (75) per cent to ninety (90) per cent the borrowing capacity of the school districts. Effective July 1, 1973 the Amendment will provide approximately \$307,993,316 in additional bonding capacity to school districts in Florida.

Under the 1972 Constitutional Amendment there was a broadening of the purposes for which the proceeds of SBE bonds could be expended. Funds may be spent for "acquiring, building, constructing, altering, remodeling, improving, enlarging, furnishing, or equipping, maintaining, renovating or repairing of capital outlay projects," provided the projects are recommended in a survey and are listed on a State Board of Education approved project priority list.

School Construction Fund (SCF) - To further assist school districts in meeting capital outlay needs, the 1957 Legislature established the School Construction Fund. The appropriation provided \$200 for each pupil increase

- 31 -

principal and interest are paid from funds derived from the tax on gross receipts of utility companies. District school boards operating vocational-technical centers were authorized to receive funds from this source for capital outlay purposes.

Exceptional Child Capital Outlay Funds - These funds were a special allocation amounting to approximately \$20,000,000 over a four-year period for the construction and equipping specialized classrooms and related facilities not normally included as part of regular school construction.

Race Track Bonds - Since 1932 local units of government have received an equal share of revenue from taxes on horse racing, dog racing, and jai-alai. Funds are normally distributed to the Board of County Commissioners. However, with local agreements, special laws have been enacted providing that a definite portion be paid annually to the district school board of the county. This dependable and steady source of funds has frequently been used as a basis for repayment of bonds issued by the school board.

Education Improvement Expense (EIE) Fund - The 1968 Legislature allocated \$1.720 per instruction unit to finance a broad, non-categorical effort to improve educational programs, with major emphasis in personnel development and inservice training. A portion of these funds were used to remodel existing facilities and for the purchase of additional equipment when needed to improve the educational programs at a particular school center.

237.27 Loans - Section 237.27, Florida Statutes, provides a means whereby a school board of any district may incur an obligation by way of anticipation of budgeted revenues, without pledging the credit of the district for a period not to exceed four years. The use of these funds is limited to the purchase of school buses and for school plant projects. The repayment of the obligation may be from ad valorem taxes or from CO and DS

38

funds if the capital outlay projects were recommended in a state-approved survey.

Comprehensive School Construction and Debt Service Program Fund - The

1973 Legislature passed a new funding program for the state cited as "The Florida Education Finance Act of 1973." In the legislative intent portion of the Act, it was stated:

"To assume a greater share of the responsibility for State funding of school construction by providing a systematic plan whereby each district will be able to meet the increasing needs for satisfactory school facilities for all students, and to maximize the availability of satisfactory student stations to meet the current and projected needs of the districts and to remove the necessity for involuntary multiple daily sessions,..."

It was further the intent of the legislature to recognize local effort on the part of districts that had issued local bonds or had voted special ad valorem taxes to meet capital outlay needs on a pay-as-you-go basis. Thus, the formula for determining the amount to be allocated to each district takes into consideration the data obtained from C.O.G. (Figure 5) and is specifically defined in the law as follows:

"The commissioner shall determine annually the amount allocated to each district from the funds appropriated for the purpose of implementing the section as follows:

- (a) Determine the costs of the projected school plant needs, the five (5) year projected debt service needs and the expenditures of ad valorem taxes in excess of ten (10) mills for each district as determined in subsection (1) of this section.
- (b) Determine the projected additional resources available under the provisions of Article XII, Section 9(d) of the constitution as amended in 1972, and the projected amount available to each district from other fund sources allocated for school plants.
- (c) From the costs of the projected school plant and five (5) year projected debt service needs for each district subtract the projected additional resources available, and add the expenditure of ad valorem taxes in excess of ten (10) mills as determined in paragraph (a) of this subsection. The result shall represent the estimated cost of unfunded school plant and debt service needs for each district.

- (d) The funds appropriated annually for the purpose of implementing this section shall be allocated to the respective districts in proportion to their percentage of the state total of unfunded school plant and debt service needs as determined above."

(See Appendix XIV for an example of the implementation.)

#### District Funds

District Current School Fund - The district school board is mandated to levy a tax for the general support of the district school system as follows:

- "(a) A tax not to exceed ten mills on the dollar of all taxable property in the district for public school purposes," and
- "(b) Additional millage sufficient to fund:
  - 1. Voted local capital improvement;
  - 2. Required debt service;"

At the discretion of the district school board, funds derived from (a) above may be expended as pay-as-you-go for capital outlay purposes. Provisions have been made whereby a portion of the annual tax levy may be earmarked for specific capital outlay purposes. However, state board regulations establish guidelines in that, "no appropriation from current operating funds shall be approved for capital outlay or maintenance if such appropriations would unnecessarily handicap the current operation of the schools."

As shown in (b)1 above, each district school board is authorized to establish through additional voted millage a local capital improvement fund. By setting forth specific capital outlay projects in the notice of election the district school board may request the electors to approve up to a four mill levy for the ensuing two years. Funds derived from this levy provide the district school board with an assured source for the maintenance, improvement, or construction of school facilities, the purchase of sites or for other specific capital outlay purposes.

District Number One Bond Funds - If capital outlay funds available through normal federal, state and local sources are not sufficient to meet needs, the district school board may request the electors of the district to approve the issuance of bonds. The debt service to be funded as shown in (b)2 above. The proposal for the issuing of bonds must be approved by the Department of Education before the district school board approves any petition calling for a bond election. There is a limitation as to total amount of bonds that may be issued and the number of mills that may be levied for debt service without specific approval of the State Board of Education.

To illustrate the distribution of capital outlay expenditures from local, state and federal sources from 1946-1972, Table 1 is provided.

TABLE 1  
DISTRIBUTION OF CAPITAL OUTLAY EXPENDITURES  
1946 - 1972

| EXPENDITURES BY ACCOUNT CLASSIFICATIONS |                 | SOURCES OF FUNDS |                                       |
|-----------------------------------------|-----------------|------------------|---------------------------------------|
| Sites                                   | \$ 130,748,225  | 7.1 %            | LOCAL FUNDS                           |
| New Buildings & Additions               | 1,339,787,169   | 73.0             | Current Funds                         |
| Remodeling                              | 70,655,887      | 3.9              | Local Bonds                           |
| Equipment                               | 255,346,702     | 13.9             | Total Local Funds                     |
| Library Books & Audio Visual Materials  | 38,035,314      | 2.1              | STATE FUNDS                           |
|                                         |                 |                  | Capital Outlay & Debt Service Funds   |
|                                         |                 |                  | School Construction Funds             |
|                                         |                 |                  | State Board of Education Bonds        |
|                                         |                 |                  | Motor Vehicle Revenue Bonds           |
|                                         |                 |                  | Educational Improvement Expense Funds |
|                                         |                 |                  | Other State Funds                     |
|                                         |                 |                  | Total State Funds                     |
|                                         |                 |                  | SPECIAL ACTS (Race Track)             |
|                                         |                 |                  | Total Special Acts                    |
|                                         |                 |                  | FEDERAL FUNDS                         |
|                                         |                 |                  | Total Federal Funds                   |
| TOTAL ALL ACCOUNTS                      | \$1,834,573,297 | 100.0 %          | TOTAL ALL FUNDS                       |

SECTION II

APPENDIX

## APPENDIX I

### PREPARATION OF SPOT MAPS

Accurate, complete, and up-to-date maps showing where pupils live are essential if proper consideration is to be given to the problem of the proper location of schools. Spot maps comprise one of the most important types of data for a school plant survey.

#### Obtaining Basic Maps

Maps drawn to a scale of one inch to a mile are most satisfactory for the usual school survey. Such maps may be obtained from the State of Florida, Department of Transportation, Division of Research and Records, Tallahassee, Florida.

For urban areas, large scale urban maps are usually necessary. Urban maps are essential for towns and cities over 2500 in population and in some smaller places where it is necessary to decide on the best location of a school plant.

#### Number of Maps Needed

Enough copies of maps should be obtained so that each principal may have a map, or a portion of a map, showing the entire attendance area of his school. For this purpose, usually from four to twelve maps will be needed, depending upon the number of schools of different classifications having overlapping attendance areas.

In addition to these work maps, at least four copies of maps for official final spot maps will be needed, (See Step II, Item I). When it is necessary to prepare large-scale spot maps of urban areas, the same general provisions as to number of maps will apply.

## Steps in Preparing Spot Maps for a Survey

Step I - Preparation of Preliminary Spot Maps. A preliminary spot map, or work map, is prepared for each school. Usually the principal and the faculty of a school assisted by school bus drivers and others will be responsible for locating all the pupils attending the school on the "work map" which should be supplied by the superintendent's office.

- A. Locate the school on the map by drawing a circle about a half-inch in diameter (on a one-inch-to-mile scale map) with the school site exactly in the center.
- B. The place where each pupil lives should be located on the map as accurately as the scale of the map will permit. Locations of pupils may be determined in one or more of the following ways:
  1. In rural areas children may be asked to find out (usually from parents) the land descriptions of the places where they live, by quarter of a quarter section, section, township, and range. The fact that a pupil lives in the NW $\frac{1}{4}$  of a certain section, township and range, for example, is sufficiently accurate for spot map purposes.
  2. The above information is sometimes not obtainable from pupils, especially when they live on tenant farms. In such cases, and also in small towns where there are no street numbers, pupils may be located with reference to the school, roads, streets, streams, other features on the map, and houses of other pupils whose locations are known. Older pupils can often locate their houses on the map. Bus drivers usually can locate on a map the homes of the children they transport.
  3. In urban areas pupils may be located by street numbers and by

blocks, with addresses taken from the school records or obtained directly from the pupils.

It is often convenient to enter information on residence of each child on a separate card, particularly when located by street numbers. On the basis of the information on the card, appropriate dots can be located on the map.

IMPORTANT: Don't overlook any of the children! A system of checking the names of the pupils on the register as they are located is desirable.

- C. 1. Except as noted in paragraph 2 below every pupil must be represented on the map by a dot.
2. In the case of congested zones of a small area when there is not enough space on the map to show individual dots, it is permissible to outline the area on the map and indicate the number of pupils by a numeral, see illustration.

NOTE: This should be done only for small limited zones. If such areas are extensive, and particularly if there is any question of locating the site of a school, a large-scale, urban area map should be prepared.

3. Usually one work map will be required per school. However, combination elementary-junior-senior high schools should prepare separate maps for elementary, junior high, and senior high school grades.
4. Each work map should be plainly labeled; for example, "Elementary pupils, Riverside School."

Step II -- Preparation of Final (Official) Spot Maps. The work maps,

prepared as described in Step I should be sent to the office of the district superintendent on or before a date specified by him. The superintendent should arrange to have the spot maps checked to be sure that they are all turned in and that they are accurate and complete. Incomplete or inaccurate maps should be returned to the principals for completion or correction.

The final, official spot maps for the survey should be prepared in the district superintendent's office from the individual school work maps. The dots representing pupils at individual schools on the work maps must be "transferred" to maps which show pupils attending all of the schools.

A. The following final official maps must be prepared:

1. Elementary, showing dots for all pupils in the county at this level.
2. (a) Middle School, showing dots for all pupils in the county at this level; or  
(b) Junior high, showing dots for all pupils in the county at this level.
3. Senior high, showing dots for all pupils in the county at this level.
4. County map showing location with name and grade levels of all schools.

B. Dots representing pupils from different schools must be distinguished on the final maps by different colors for each school. Use a different color for pupils attending each adjacent school, so that the separate colors will show all the pupils attending each school.

Thus, pupils attending school "A" may be spotted in black; those attending a school to the east of "A" in red; those attending a school

to the west of "A" in green; those attending a school to the north of "A" in purple; those attending a school to the south of "A" in brown and so on.

The same color may be used for two or more schools on the same map, if the schools are remote from each other and if their attendance areas do not overlap.

A "key" to the colors used should be provided at the bottom or side of the maps.

- C. "Transfer" each dot from the work map to the exactly corresponding spot on the final map. Dots on the work map should be checked off systematically to avoid duplication and insure that all dots are "transferred."
- D. Locate each school on the map by drawing a circle about a half-inch in diameter (on a one-inch-to-mile scale map) with the school site exactly in the center. Draw the circle in the color allotted for the dots representing pupils from that school. Below the location of the school, print the name, the grades included, and the number of pupils shown on the map. For example: Fall Creek (1-6)--450.
- E. On the final county maps outline by heavy lines any densely populated urban area in which individual pupils cannot be spotted. The number of pupils should then be written in the enclosed area in the color assigned to the school they attend. (See Item 2, Step I,C.)
- F. The procedure for preparing large scale maps of urban areas, when they are needed, is the same, except the pupils on the urban maps should be spotted in the block in which they live.
- G. In putting dots on the final maps, appropriately cut rubber stamps and stamp pads of various colors may be used, or the eraser of a

pencil may be cut to the required size and shape and used with stamp pads.

#### Use of Spot Maps

The maps should be hung in the room provided for use of the survey staff. After the survey is completed the maps are to be kept as a part of the permanent files of the county. A second copy of map "4" should be provided to the survey director for the Survey Section files.

# APPENDIX II

TABLE I  
TRENDS IN AVERAGE DAILY MEMBERSHIP BY SCHOOLS

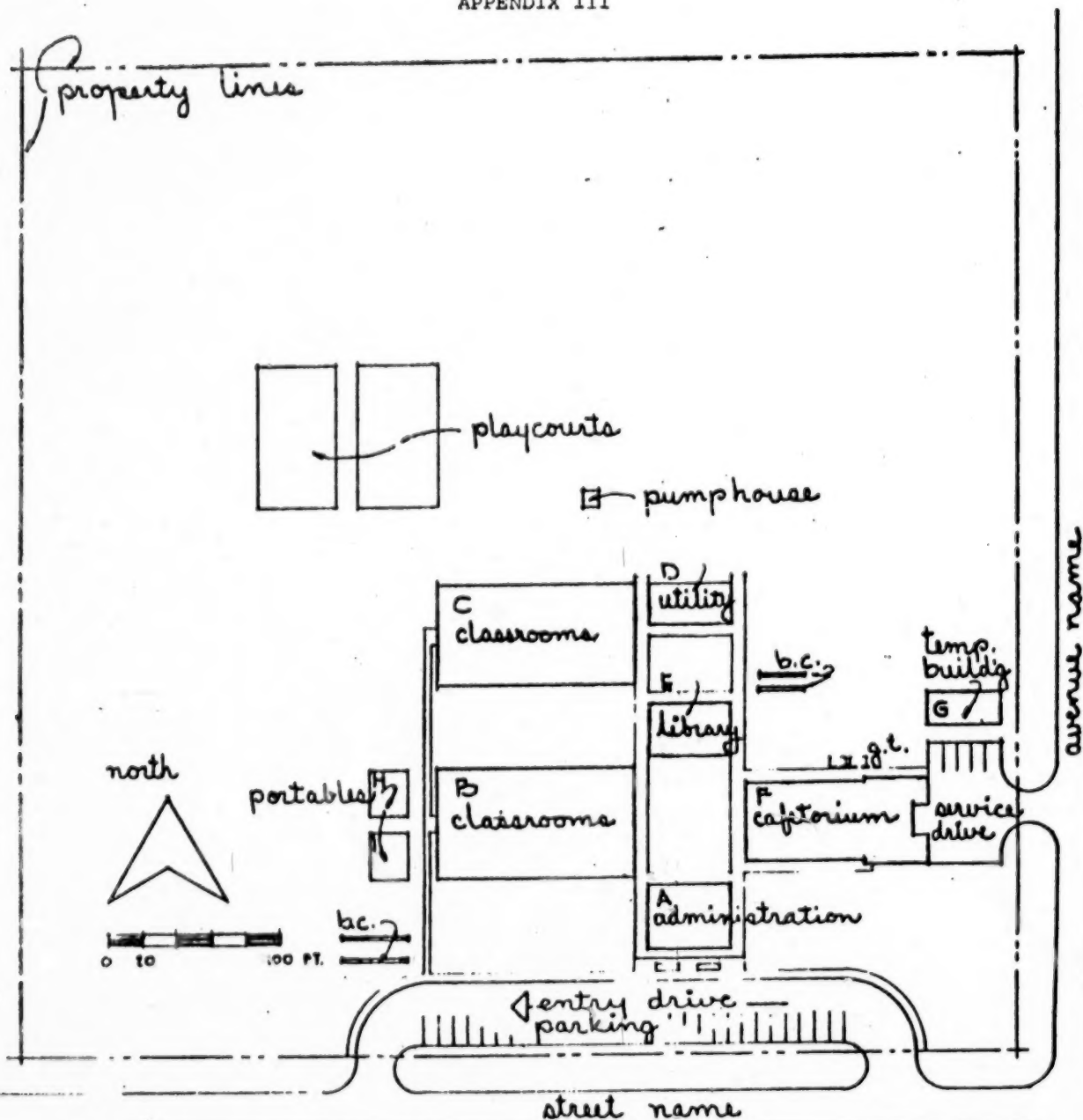
| School Center               | 1967<br>-68 | 1968<br>-69 | 1969<br>-70 | 1970<br>-71 | 1971<br>-72 | Latest Month<br>1972-73 (4th Attendance) |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|------------------------------------------|
| <u>Grades 1 - 6:</u>        |             |             |             |             |             |                                          |
| Clewiston Elementary School | 744         | 781         | 816         | 855         | 1014        | 1015                                     |
| LaBelle School              | 564         | 592         |             |             |             |                                          |
| Harlem Academy School       | 346         | 360         | 338         | 313         |             |                                          |
| LaBelle Elementary School   |             |             | 651         | 651         | 647         | 697                                      |
| Clewiston Middle School     |             |             |             |             | 184         | 191                                      |
| Harlem Academy Spec. Ed.    |             |             |             |             | 2           | 10                                       |
| TOTALS                      | 1654        | 1733        | 1805        | 1819        | 1847        | 1913                                     |
| <u>Grades 7 - 9:</u>        |             |             |             |             |             |                                          |
| LaBelle School              | 240         | 288         |             |             |             |                                          |
| Clewiston High School       | 329         | 390         | 414         | 549         | 178         | 217                                      |
| Harlem Academy School       | 129         | 116         | 101         |             |             |                                          |
| Clewiston Middle School     |             |             |             |             | 395         | 388                                      |
| LaBelle High School         |             |             | 286         | 295         | 299         | 310                                      |
| TOTALS                      | 698         | 794         | 801         | 844         | 872         | 915                                      |
| <u>Grades 10 - 12:</u>      |             |             |             |             |             |                                          |
| LaBelle School              | 132         | 135         |             |             |             |                                          |
| Clewiston High School       | 236         | 284         | 283         | 336         | 346         | 387                                      |
| Harlem Academy School       | 68          |             |             |             |             |                                          |
| LaBelle High School         |             |             | 141         | 184         | 200         | 221                                      |
| TOTALS                      | 436         | 419         | 424         | 520         | 546         | 608                                      |
| <u>Grand Totals:</u>        |             |             |             |             |             |                                          |
| Clewiston Elementary School | 744         | 781         | 816         | 855         | 1014        | 1015                                     |
| Clewiston High School       | 565         | 674         | 697         | 885         | 524         | 604                                      |
| Harlem Academy School       | 543         | 476         | 439         | 313         |             |                                          |
| LaBelle School              | 936         | 1015        |             |             |             |                                          |
| LaBelle Elementary School   |             |             | 651         | 651         | 647         | 697                                      |
| LaBelle High School         |             |             | 427         | 479         | 499         | 531                                      |
| Clewiston Middle School     |             |             |             |             | 579         | 579                                      |
| Harlem Academy Spec. Ed.    |             |             |             |             | 2           | 10                                       |
| TOTALS                      | 2788        | 2946        | 3030        | 3183        | 3265        | 3436                                     |

\* \* \* \* \*

## County-wide Analysis, 1971-72

|              | First<br>Month | Last<br>Month | High<br>Month |
|--------------|----------------|---------------|---------------|
| Grades 1-6   | 1543 *(1799)   | 1804          | 1863          |
| Grades 7-9   | 758 *( 863)    | 848           | 873           |
| Grades 10-12 | 514 *( 559)    | 515           | 559           |
| TOTALS:      | 2815 *(3221)   | 3167          | 3295          |

# APPENDIX III



## NOTES

b.c. - bicycle racks  
g.t. - guase trap

## PLOT PLAN

school name: \_\_\_\_\_ street address \_\_\_\_\_  
site \_\_\_\_\_ acres  
county name: \_\_\_\_\_

SAMPLE

PROPA 1665 8-65



# SAMPLE

PREPARED 8-65

|         |                         |
|---------|-------------------------|
| TPA     | - teacher planning area |
| off.    | - office                |
| PCR     | - primary classroom     |
| ex. ed. | - exceptional education |
| MR      | - mechanical room       |
| BT      | - boys' gym toilets     |
| GT      | - girls' gym toilets    |
| 2       |                         |

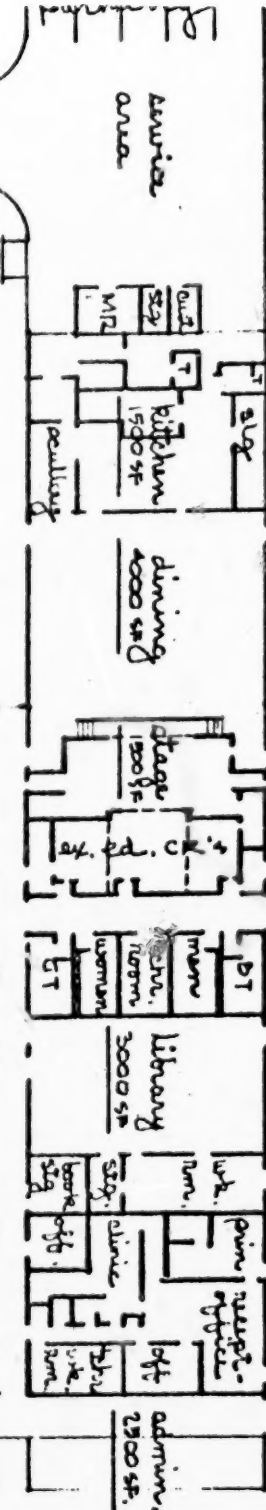
service drive

service area

entry drive

parking area

School Plant "B"

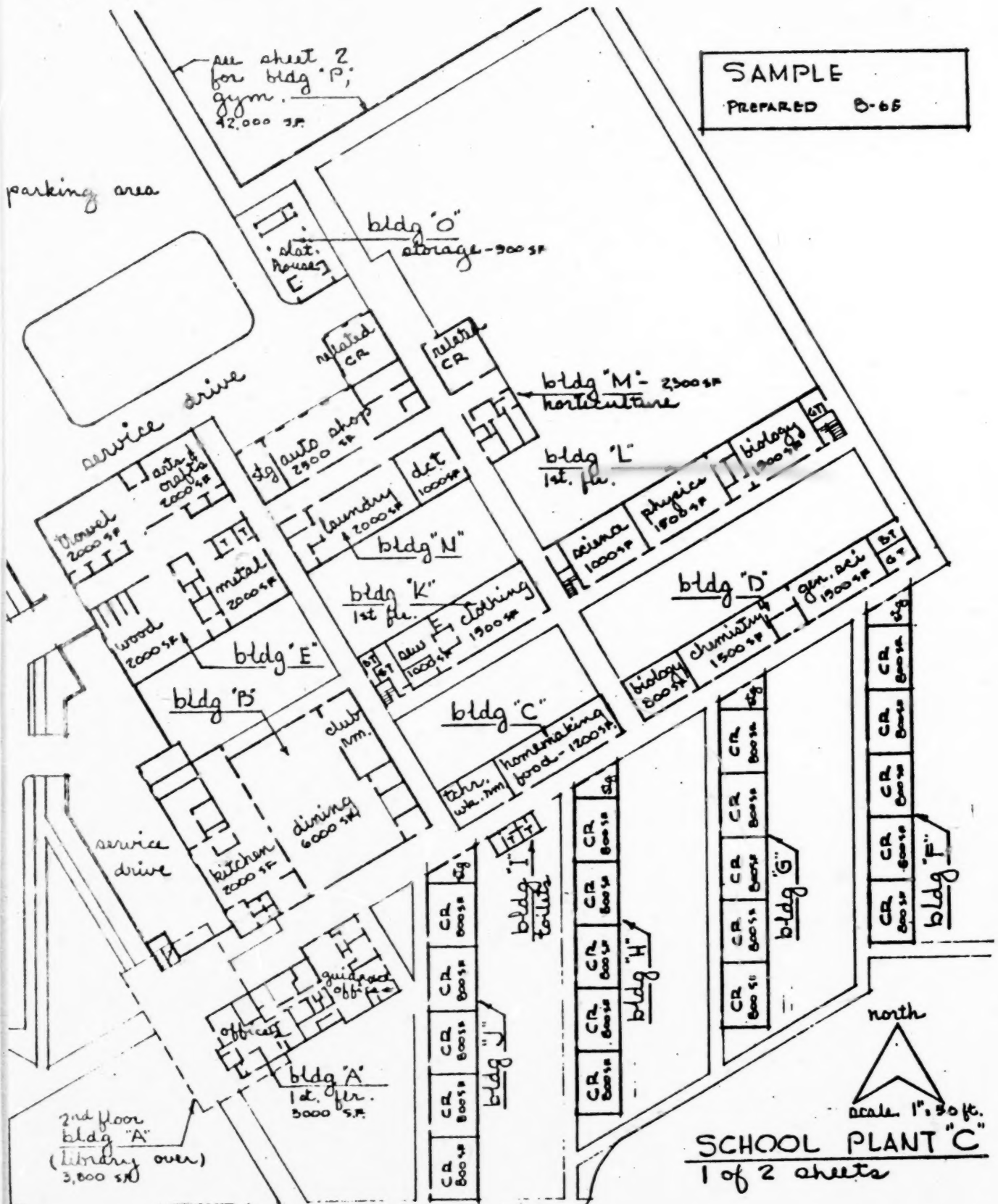


bus pick-up

parking area

SAMPLE

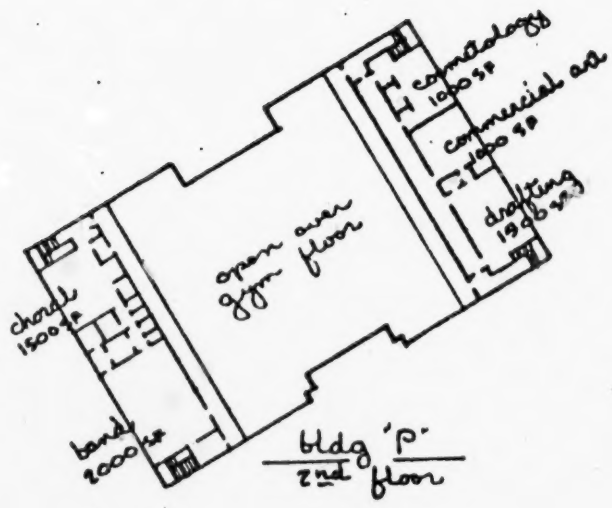
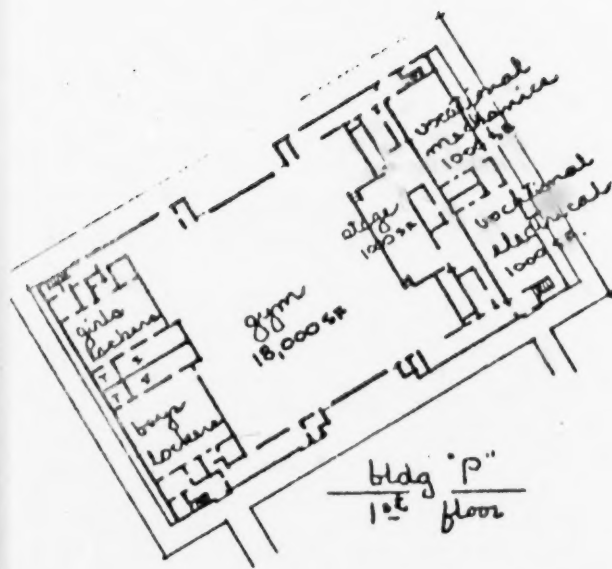
PREPARED D-65



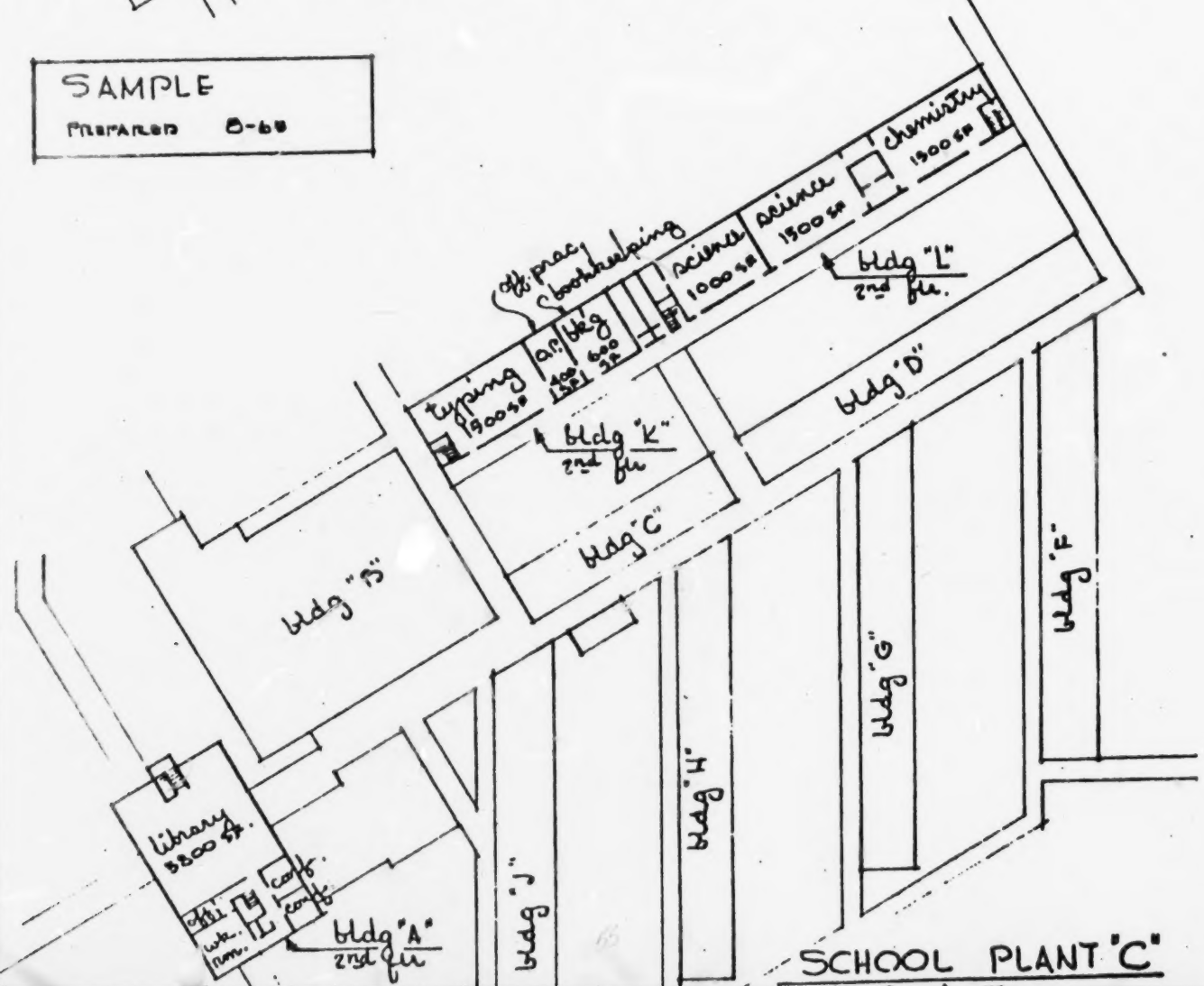
North

Scale 1" = 30 ft.

SCHOOL PLANT "C"  
1 of 2 sheets



SAMPLE  
PREPARED 8-68



# APPENDIX IV

## ELEMENTARY SCHOOL Maximum Pupil Capacity--600

| NUMBER | FACILITY                                                                                       | SQUARE FOOTAGE<br>Per Unit | PUPIL CAPACITY<br>Per Unit |
|--------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| 6      | Primary classrooms<br>(with toilet rooms)                                                      | @ 1,000                    | @ 25                       |
| 18     | Elementary classrooms                                                                          | @ 900                      | @ 25                       |
|        | Exceptional education room<br>(full-time teacher station)                                      | @ 900                      | @ 15                       |
|        | Library                                                                                        | 2,500                      |                            |
|        | Cafetorium                                                                                     | 5,500                      |                            |
|        | Administrative suite                                                                           | 1,800                      |                            |
| 4      | Toilet rooms (pair for<br>each classrooms without toilets)                                     | @ 200                      |                            |
|        | Storage, mechanical, heating, cooling,<br>custodial space, book and central<br>materials, etc. | 750                        |                            |

## MIDDLE SCHOOL Maximum Pupil Capacity--600

| NUMBER | FACILITY                                                | SQUARE FOOTAGE<br>Per Unit | PUPIL CAPACITY<br>Per Unit |
|--------|---------------------------------------------------------|----------------------------|----------------------------|
| 3      | Learning Centers                                        | @ 5,000                    | @ 150                      |
| 1      | Exceptional Child classroom<br>(with toilet facilities) | @ 900                      | @ 15                       |
|        | Media Center (complete)                                 | 5,000                      |                            |
|        | Guidance Suite                                          | 250                        |                            |
|        | Administrative Suite                                    | 2,500                      |                            |
|        | Arts & Crafts Room                                      | 1,800                      | 24                         |
|        | Homemaking Suite                                        | 2,100                      | 50                         |
|        | Music Suite                                             | 2,000                      | 40                         |
|        | Industrial Arts                                         | 2,000                      | 24                         |
|        | Commons Area                                            | 9,600                      |                            |

APPENDIX IV

MIDDLE SCHOOL  
(Continued)

| NUMBER | FACILITY                                                                                       | SQUARE FOOTAGE<br>Per Unit | PUPIL CAPACITY<br>Per Unit |
|--------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
|        | Food Service                                                                                   | 900                        |                            |
|        | Shower and Locker Suite<br>(includes both sexes)                                               | 6,000                      |                            |
| 6      | Toilet rooms (pair for each<br>learning center)                                                | @ 225                      |                            |
|        | Storage, mechanical, heating, cooling,<br>custodial space, book and central<br>materials, etc. | 1,200                      |                            |

JUNIOR HIGH SCHOOL  
Maximum Pupil Capacity--800

|    |                                                           |         |      |
|----|-----------------------------------------------------------|---------|------|
| 18 | General classrooms                                        | @ 800   | @ 30 |
| 5  | Science Laboratory<br>(full-time teacher station          | @ 1,000 | @ 30 |
|    | Industrial Arts Shop                                      | @ 2,400 | @ 24 |
|    | Arts and Crafts Room                                      | @ 1,800 | @ 24 |
|    | Art Room                                                  | @ 1,200 | @ 30 |
|    | Band Suite                                                | @ 1,800 | @ 40 |
|    | Vocal Music Suite                                         | 1,450   | 40   |
|    | Homemaking Suite<br>(two teacher stations)                | @ 2,500 | 50   |
|    | Exceptional Education Room<br>(full-time teacher station) | @ 900   | @ 20 |
|    | Shower and Locker Suite<br>(includes both sexes)          | 6,000   |      |
|    | Library                                                   | 3,500   |      |
|    | Cafetorium or Cafeteria                                   | 7,000   |      |
|    | Administrative Suite                                      | 3,000   |      |
|    | Student Activity and Conference Rooms                     | 400     |      |
|    | Toilet Rooms (pair for each<br>set of 6 teacher stations) | 225     |      |

APPENDIX IV

JUNIOR HIGH SCHOOL  
Maximum Pupil Capacity--800  
(Continued)

| NUMBER | FACILITY                                                                                       | SQUARE FOOTAGE<br>Per Unit | PUPIL CAPACITY<br>Per Unit |
|--------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
|        | Storage, mechanical, heating, cooling,<br>custodial space, book and central<br>materials, etc. | 1,200                      |                            |

SENIOR HIGH SCHOOL  
Maximum Pupil Capacity--1500

|    |                                                                        |         |      |
|----|------------------------------------------------------------------------|---------|------|
| 30 | General classrooms                                                     | @ 750   | @ 30 |
| 5  | Science Laboratory<br>(full-time teacher station)                      | @ 1,200 | @ 30 |
| 4  | Industrial Arts Shop                                                   | @ 2,400 | @ 24 |
|    | Mechanical Drawing Room<br>(full-time teacher station)                 | @ 1,200 | @ 24 |
|    | Arts and Crafts Room                                                   | @ 1,800 | @ 25 |
|    | Art Room                                                               | @ 1,200 | @ 30 |
|    | Band Suite                                                             | @ 3,000 | @ 40 |
|    | Vocal Music Suite                                                      | @ 1,600 | @ 40 |
|    | Language Laboratory<br>(resource unit; not regular<br>teacher station) | 1,000   |      |
|    | Homemaking Suite<br>(two teacher stations)                             | 3,000   |      |
|    | Gymnasium (including shower<br>and locker rooms)                       | 15,000  |      |
| 2  | DCT and DE classrooms                                                  | @ 1,000 | @ 50 |
| 5  | Business Education classrooms                                          | @ 1,200 | @ 30 |
|    | Auditorium                                                             | 9,500   |      |
|    | Library                                                                | 4,500   |      |
| 2  | Student Activity and Conference Rooms                                  | @ 400   |      |
|    | Administrative Suite                                                   | 4,000   |      |
| 7  | Toilet rooms (pair for each set<br>of 500 students)                    | @ 225   |      |

# APPENDIX IV

## SENIOR HIGH SCHOOL (Continued)

| NUMBER | FACILITY                                                                                       | SQUARE FOOTAGE<br>Per Unit | PUPIL CAPACITY<br>Per Unit |
|--------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
|        | Storage, mechanical, heating, cooling,<br>custodial space, book and central<br>materials, etc. | 1,200                      |                            |

APPENDIX V

TABLE II

CURRENT AND RECOMMENDED PUPIL HOUSING

| School Name          | Membership Jan. 1973 |     |       |       | Present Desirable<br>Pupil Stations | Membership To Be Housed<br>1977-78 |       |       |       |
|----------------------|----------------------|-----|-------|-------|-------------------------------------|------------------------------------|-------|-------|-------|
|                      | 1-6                  | 7-9 | 10-12 | 1-12  |                                     | 1-6                                | 7-9   | 10-12 | 1-12  |
| Clewiston Elementary | 1,052                |     |       | 1,052 | 960                                 | 600                                |       |       | 600   |
| Clewiston Middle     | 194                  | 393 |       | 537   | 790                                 | 246                                | 455   |       | 701   |
| Clewiston High       |                      | 213 | 568   | 592   | 828                                 |                                    | 277   | 443   | 720   |
| Labelle Elementary   | 733                  |     |       | 733   | 795                                 | 741                                |       |       | 741   |
| Labelle High         |                      | 324 | 222   | 546   | 690                                 |                                    | 326   | 242   | 568   |
| Sub Totals           | 1,979                | 930 | 790   | 3,460 | 4,060                               | 1,587                              | 1,056 | 685   | 3,330 |
| New Elementary "A"   | 0                    |     |       | 0     | 0                                   | 459                                |       |       | 459   |
| TOTALS               | 1,979                | 930 | 790   | 3,460 | 4,060                               | 2,046                              | 1,056 | 685   | 3,789 |

## APPENDIX VI

CLEWISTON ELEMENTARY SCHOOL (0101)

Grades 1-5

Site. The 25 acre site is located at the junction of Circle Drive and Osceola in Clewiston. Except for the center of the campus, the site is well drained. Play areas are well defined. The front of the site is attractively landscaped. The site is above legal minimum size for a school of the present membership.

Buildings. The plant consists of five permanent buildings and seven relocatable buildings; they contain, in total, the following facilities:

- Building 1: (a) administrative suite; (b) toilet rooms; (c) storage rooms; (d) custodial storage; (e) small teacher lounge; (f) clinic; (g) one reading lab-15 (inadequate ); (h) ten adequate intermediate classrooms-260.
- Building 2: (a) library; (b) six inadequate intermediate classrooms-125; (c) toilet rooms; (d) storage rooms; (e) P.E. equipment room; (f) library workroom; (g) library office.
- Building 3: (a) four intermediate classrooms-110; (b) toilet rooms; (c) dry storage; (d) cafeteria kitchen, (e) cafeteria dining area; (f) garbage storage.
- Building 4: (a) five intermediate classrooms-150; (b) furnace rooms; (c) toilet rooms.
- Building 5: (a) three intermediate classrooms-90; (b) furnace rooms; (c) maintenance repair shop; (d) teacher's lounge; (e) mechanical service room.
- Building 6: (a) seven relocatable intermediate classrooms-210.

Service Systems. Natural lighting is adequate. Artificial lighting is generally satisfactory, except in those rooms with concentric rings which give inadequate light. Adequate heat is provided by gas fired heaters in

APPENDIX VI (continued)

the permanent buildings. Cooling is provided by individual reverse cycle window units in the administrative area. Water is supplied and sewage disposed by the city systems. Cafeteria, toilet and media center facilities are totally inadequate for existing pupil stations.

General Condition of the Center. Exterior of permanent buildings is in good condition. Need for some interior patching and painting is indicated. Custodial space is satisfactory and well organized. Building 1 does not meet state fire regulations for safety and needs to be changed to conform. Cafeteria lacks hot serving line, screened windows, fly fans and suitable furniture for the age group being served. Paved parking facilities for staff is needed.

Total Existing Satisfactory Pupil Stations: 960

Utilization Factor: 100%

Present Desirable Pupil Capacity: 960

Recommendations:

- A. Capital Outlay Classification: C-1 for grades K-5.
- B. Pupil Transfers: Excess pupils in grades 1-3 to new school "A".
- C. Site Work: None.
- D. New Construction: None.
- E. Major Alterations: Convert building 1 to house all east county supervisory personnel and storage minus 275; install hot serving line, window screens, fly fans and primary furniture; pave faculty parking lot. Move 3 portables to LaBelle High School minus 90;  
Estimated Cost: \$14,000.
- F. Recommended Pupil Capacity: 595

## APPENDIX VII

### THE PRIORITY SYSTEM

- (a) New classrooms and special instructional facilities necessary to provide needed pupil stations at either a new or existing school center; school sites or additions to sites and site improvement incident to new construction or to make a site addition useable; restoration and correcting deficiencies required for safety to life, health and sanitation.
- (b) Special instructional and auxiliary facilities needed to improve the program at a school center but not necessary to increase the pupil stations.
- (c) Major alterations to existing buildings which would substantially improve the utility of the space and replacement of or major alterations to the existing heating, cooling, lighting, safety and sanitary facilities at a permanent school center.
- (d) Debt service for district bonds serviced by voted ad valorem taxes.

## APPENDIX VIII

### CAPITAL OUTLAY CLASSIFICATIONS

Capital Outlay Class 1 (C-1). School center where no additional construction can be authorized beyond that recommended in the survey making the C-1 classification; generally, adequate site, satisfactory building or buildings, current or projected membership at the maximum desirable for the type of school; alternative, small site, satisfactory building or buildings, projected membership below maximum desirable for the type school but in proportion to the site size. Supplementary survey may recommend major alterations, site improvement, or site expansion but cannot authorize new construction except in rare and unusual circumstances.

Capital Outlay Class 2 (C-2). School center which is satisfactory in all major respects; generally, adequate site, satisfactory building or buildings, enrollment projected to below the maximum desirable for the type of school. Supplementary survey may recommend new construction up to the maximum capacity for the type of school and site, major alterations, site improvement, and/or site expansion.

Capital Outlay Class 3 (C-3). School center at a time of transition; evidence insufficient to recommend replacement or consolidation but new construction should be postponed; usually, inadequate site, and/or inadequate building, and/or declining or static enrollment, and/or enrollment which is below the level necessary for an economical and educationally sound program; county-wide survey recommendations are limited to minor alterations. Supplementary survey is limited to recommending alterations for health and safety of pupils.

Capital Outlay Class 4 (C-4). Special purpose classification: school center which probably would be recommended for consolidation if not for

APPENDIX VIII (continued)

excessive distance; often inadequate site, and/or inadequate building, and/or declining or static enrollment, and/or enrollment which is below the level necessary for an economical and educationally sound program; construction necessary to provide adequate facilities for the program, major alterations, site expansion, and/or site improvement, may be authorized by the survey making the classification. Supplementary survey may recommend alterations or site improvements but cannot recommend new construction except in rare and unusual circumstances.

Capital Outlay Class 5 (C-5). School center is unsatisfactory in one or more major respects; usually, inadequate site, and/or inadequate building and/or declining or static enrollment and/or enrollment which is below the level necessary for an economical and educationally sound program; pupils should be transferred and/or school closed as soon as adequate new facilities are constructed elsewhere to house pupils. Supplementary survey is limited to recommending alterations for health and safety of pupils.

Capital Outlay Class 6 (C-6). School center is unsatisfactory in one or more respects; usually, inadequate site and/or inadequate building and/or declining or static enrollment and/or enrollment which is below the level necessary for an economical and educationally sound program; pupils should be transferred immediately to existing adequate facilities located elsewhere. Supplementary survey cannot make any recommendations.

## APPENDIX IX

Collier County, Florida

## COHORT SURVIVAL PRINTOUT

## POPULATION PROJECTION

| YR     | 66-67          | 67-68 | 68-69 | 69-70 | 70-71 | 71-72 | 72-73 | 73-74 | 74-75 | 75-76 | 76-77 |      |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| GRADE  | SURVIVAL RATIO |       |       |       |       |       |       |       |       |       |       |      |
| 0      | 427            | 450   | 489   | 526   | 522   | 466   | 1.80  | 533   | 570   | 660   | 746   | 782  |
| 1      | 866            | 816   | 852   | 812   | 925   | 946   | .99   | 840   | 961   | 1027  | 1190  | 1345 |
| 2      | 741            | 790   | 785   | 839   | 843   | 963   | 1.07  | 935   | 830   | 949   | 1015  | 1175 |
| 3      | 706            | 769   | 820   | 860   | 899   | 931   | 1.04  | 1031  | 1000  | 888   | 1016  | 1036 |
| 4      | 615            | 719   | 758   | 841   | 920   | 986   | 1.01  | 970   | 1074  | 1042  | 925   | 1059 |
| 5      | 593            | 625   | 698   | 798   | 855   | 925   | 1.03  | 998   | 982   | 1087  | 1055  | 937  |
| TOTAL: |                |       |       |       |       |       |       |       |       |       |       |      |
| 1- 5   |                |       |       |       |       |       | 4774  | 4847  | 4994  | 5201  | 5602  |      |
| 6      | 534            | 605   | 693   | 774   | 800   | 968   | 1.05  | 995   | 1074  | 1057  | 1170  | 1135 |
| 7      | 551            | 553   | 625   | 710   | 796   | 874   | 1.03  | 1013  | 1041  | 1124  | 1105  | 1224 |
| 8      | 480            | 529   | 558   | 653   | 735   | 869   | 1.14  | 902   | 1045  | 1075  | 1160  | 1141 |
| TOTAL: |                |       |       |       |       |       |       |       |       |       |       |      |
| 6- 8   |                |       |       |       |       |       | 2910  | 3160  | 3255  | 3435  | 3500  |      |
| 9      | 377            | 482   | 550   | 638   | 808   | 891   | .96   | 991   | 1023  | 1192  | 1225  | 1322 |
| 10     | 419            | 385   | 459   | 550   | 592   | 765   | .95   | 859   | 955   | 991   | 1143  | 1180 |
| 11     | 309            | 380   | 357   | 455   | 526   | 578   | .94   | 730   | 820   | 911   | 946   | 1026 |
| 12     | 263            | 293   | 338   | 345   | 433   | 505   | 0.    | 546   | 690   | 774   | 861   | 893  |
| TOTAL: |                |       |       |       |       |       |       |       |       |       |       |      |
| 9-12   |                |       |       |       |       |       | 3125  | 3492  | 3868  | 4180  | 4492  |      |
| TOTAL: |                |       |       |       |       |       |       |       |       |       |       |      |
| 1-12   |                |       |       |       |       |       | 10809 | 11500 | 12117 | 12316 | 13594 |      |
| STJP   |                |       |       |       |       |       |       |       |       |       |       |      |

ELEMENTARY SCHOOL MODEL  
GRADES K-5

APPENDIX X

| SPACE                                                      | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                            | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Kindergarten Classroom                                     |                 |            | 35                            |                   |                  |                            |
| -Storage, Classroom                                        |                 |            | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                                   |                 |            | 2                             |                   |                  |                            |
| -Toilet, Pupil                                             |                 |            |                               | 25                |                  |                            |
| Primary Classroom                                          |                 |            | 32                            |                   |                  |                            |
| -Storage, Classroom                                        |                 |            | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                                   |                 |            | 2                             |                   |                  |                            |
| -Toilets, Pupil                                            |                 |            |                               | 25                |                  |                            |
| Intermediate Classroom                                     |                 |            | 30                            |                   |                  |                            |
| -Storage, Classroom                                        |                 |            | 3                             |                   |                  |                            |
| -Storage, Pupil (Locker)                                   |                 |            | 2                             |                   |                  |                            |
| Intermediate Pupil Toilet                                  |                 |            | 1.5                           |                   |                  |                            |
| Music (Choral); (Instrumental)                             |                 |            | 25                            |                   |                  |                            |
| -Storage                                                   |                 |            |                               | 300               |                  |                            |
| Arts & Crafts                                              |                 |            | 40                            |                   |                  |                            |
| -Storage                                                   |                 |            |                               | 300               |                  |                            |
| Reading Room                                               |                 |            | 50                            |                   |                  |                            |
| -Storage                                                   |                 |            | 10                            |                   |                  |                            |
| Administration (Prin., Asst. Prin. Office Secretary, Aide) |                 |            | 175                           |                   |                  |                            |
| -Toilets, Men                                              |                 |            |                               | 25                |                  |                            |
| -Toilets, Women                                            |                 |            |                               | 25                |                  |                            |
| Counseling                                                 |                 |            | 175                           |                   |                  |                            |
| Clinic, Boys                                               |                 |            | 70                            |                   |                  |                            |
| Clinic, Girls                                              |                 |            | 70                            |                   |                  |                            |
| Clinic, Office                                             |                 |            | 80                            |                   |                  |                            |
| -Toilet, Boys                                              |                 |            |                               | 25                |                  |                            |
| -Toilet, Girls                                             |                 |            |                               | 25                |                  |                            |

ELEMENTARY SCHOOL MODEL  
GRADES K-5

APPENDIX X

| SPACE                                  | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|----------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                        | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Administrative Storage                 |                 |            | 35<br>(9 adults)              |                   |                  |                            |
| Toilets, Teachers                      |                 |            |                               | 50                |                  |                            |
| Teacher Planning (Office)              |                 |            | 80 or 45<br>(4 adults)        |                   |                  |                            |
| Teachers' Lounge                       |                 |            | 25                            |                   |                  |                            |
| Teacher Workroom                       |                 |            | 8                             |                   |                  |                            |
| Teacher Aides                          |                 |            | 40                            |                   |                  |                            |
| Multi-purpose (Play)                   |                 |            | 25                            |                   |                  |                            |
| -Storage, (instructional CR) opt.      |                 |            |                               | 300               |                  |                            |
| -Stage, (optional)                     |                 |            | 12                            | 300               |                  |                            |
| -Physical Education Lockers & Dressing |                 |            | 7½                            |                   |                  |                            |
| -Physical Education Showers, Boys      |                 |            | 7½                            |                   |                  |                            |
| -Physical Education Showers, Girls     |                 |            | 1.5                           |                   |                  |                            |
| -Physical Education Toilets, Boys      |                 |            | 1.5                           |                   |                  |                            |
| -Physical Education Toilets, Girls     |                 |            | 1.75                          |                   |                  |                            |
| -Physical Education Storage            |                 |            |                               |                   |                  |                            |
| Dining                                 |                 |            | 10                            |                   |                  |                            |
| -Optional, Stage                       |                 |            |                               | 300               |                  |                            |
| -Optional, Storage                     |                 |            |                               | 300               |                  |                            |
| Kitchen                                |                 |            |                               |                   |                  |                            |
| -Preparation & Serving                 |                 |            | 2.75 (per<br>meal)            |                   |                  |                            |
| -Office                                |                 |            |                               |                   |                  |                            |
| -Storage                               |                 |            |                               |                   |                  |                            |
| -Walk-in Freezer                       |                 |            |                               |                   |                  |                            |
| -Serving                               |                 |            |                               |                   |                  |                            |
| -Dishwasher                            |                 |            |                               |                   |                  |                            |
| -Garbage disposal                      |                 |            |                               |                   |                  |                            |
| -Kitchen Toilets, Lockers              |                 |            |                               | 50                |                  |                            |

ELEMENTARY SCHOOL MODEL  
GRADES K-5

APPENDIX X

| SPACE                                                                                                                                                                                                                                                                                                                                                                                                                                                               | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED                                         |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-----------------------------------------------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON                                                    | SQ. FT. PER SPACE |                  |                            |
| Custodial<br>-Storage, Toilet, Workroom, include<br>1 space with outside entrance                                                                                                                                                                                                                                                                                                                                                                                   |                 |            | 1                                                                     |                   |                  |                            |
| Library, Reading<br>-Workroom<br>-Stacks<br>-Circulation<br>-Library Office<br>-A-V Storage<br>-Periodical Storage<br>-Communications<br>-Conference                                                                                                                                                                                                                                                                                                                |                 |            | 25 (10% of enrollment)<br>150<br>500<br>75<br>100<br>300<br>75<br>300 |                   |                  |                            |
| ALL EXCEPTIONALITIES<br>Exceptional Child Space Selections on Basis of Need<br>Varying Exceptionality Classroom<br>EMR Classroom<br>TMR Classroom<br>Specific Learning Disability Classroom<br>Speech & Hearing Classroom<br>Emotionally Disturbed Classroom<br>Socially Maladjusted Classroom<br>Deaf Classroom<br>Visually Handicapped Classroom<br>Physically Handicapped Classroom<br>Gifted Classroom<br>Retardant (Exc.)<br>Resource (Exc.)<br>Reading (Exc.) |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |            |                                                                       |                   |                  |                            |

ELEMENTARY SCHOOL MODEL  
GRADES K-5

APPENDIX X

| SPACE                                                                                                       | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                             | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| e: Add to above total by per cent.<br><br>culation<br>-Walls, interior<br>-Walls, exterior<br>ating-Cooling |                 |            |                               |                   |                  | 154                        |
|                                                                                                             |                 |            |                               |                   |                  | 44                         |
|                                                                                                             |                 |            |                               |                   |                  | 36                         |
|                                                                                                             |                 |            |                               |                   |                  | 18                         |

| SPACE                                                 | VARIABLE NUMBER |            |  | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------|-----------------|------------|--|-------------------------------|-------------------|------------------|----------------------------|
|                                                       | PUPILS          | NON-PUPILS |  | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Classroom, General (6)                                |                 |            |  | 28                            |                   |                  |                            |
| -Storage, Classroom                                   |                 |            |  | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                              |                 |            |  | 2                             |                   |                  |                            |
| Classroom, General (7)                                |                 |            |  | 28                            |                   |                  |                            |
| -Storage, Classroom                                   |                 |            |  | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                              |                 |            |  | 2                             |                   |                  |                            |
| Classroom, General (8)                                |                 |            |  | 28                            |                   |                  |                            |
| -Storage, Classroom                                   |                 |            |  | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                              |                 |            |  | 2                             |                   |                  |                            |
| Pupil Toilets                                         |                 |            |  | 1.5                           |                   |                  |                            |
| Music, Choral                                         |                 |            |  |                               |                   |                  |                            |
| -Storage, General                                     |                 |            |  | 4                             | 1000              |                  |                            |
| -Practice Room                                        |                 |            |  | 25                            | 150               |                  |                            |
| -Library                                              |                 |            |  |                               |                   |                  |                            |
| Music, Instrumental                                   |                 |            |  |                               |                   |                  |                            |
| -Storage, General                                     |                 |            |  | 4                             | 1500              |                  |                            |
| -Practice Room                                        |                 |            |  | 25                            |                   |                  |                            |
| -Ensemble                                             |                 |            |  | 25                            |                   |                  |                            |
| -Storage, Instrument                                  |                 |            |  | 25                            | 300               |                  |                            |
| Arts & Crafts                                         |                 |            |  |                               |                   |                  |                            |
| -Storage, General                                     |                 |            |  | 50                            | 200               |                  |                            |
| -Storage, Project                                     |                 |            |  | 4 or                          | 100               |                  |                            |
| Reading Laboratory                                    |                 |            |  | 50                            |                   |                  |                            |
| -Storage                                              |                 |            |  | 4                             |                   |                  |                            |
| Administration (Prin., Asst. Prin., Bookkeeper, Sec.) |                 |            |  |                               |                   |                  |                            |
| -Toilets, Principal                                   |                 |            |  | 175                           |                   |                  |                            |
| -Toilets, Men                                         |                 |            |  |                               | 25                |                  |                            |
| -Toilets, Women                                       |                 |            |  |                               | 25                |                  |                            |
| -Toilets, Women                                       |                 |            |  |                               | 25                |                  |                            |

| SPACE                                                                                                                                                       | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED                     |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------------------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                             | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON                                | SQ. FT. PER SPACE |                  |                            |
| Counseling                                                                                                                                                  |                 |            | 175                                               |                   |                  |                            |
| Clinic, Boys                                                                                                                                                |                 |            | 70                                                |                   |                  |                            |
| Clinic, Girls                                                                                                                                               |                 |            | 70                                                |                   |                  |                            |
| Clinic, Office<br>-Toilets, Boys<br>-Toilets, Girls                                                                                                         |                 |            | 80 (per adult)<br>25<br>25                        |                   |                  |                            |
| Administrative Storage                                                                                                                                      |                 |            | 35 (per 10 adults)                                |                   |                  |                            |
| Teacher Toilets                                                                                                                                             |                 |            |                                                   | 50                |                  |                            |
| Conference                                                                                                                                                  |                 |            | 10                                                |                   |                  |                            |
| Teacher Planning                                                                                                                                            |                 |            | 80 (per 1 adult)<br>45 (4 adults)                 |                   |                  |                            |
| Teacher Lounge                                                                                                                                              |                 |            | 25                                                |                   |                  |                            |
| Teacher Workroom                                                                                                                                            |                 |            | 8                                                 |                   |                  |                            |
| Teacher Aides                                                                                                                                               |                 |            | 40                                                |                   |                  |                            |
| Large Group Institution, Seating<br>-Storage, Demonstration, Performance                                                                                    |                 |            | 7<br>1                                            |                   |                  |                            |
| Dining                                                                                                                                                      |                 |            | 10                                                |                   |                  |                            |
| Kitchen<br>-Preparation and Serving<br>-Office<br>-Storage<br>-Walk-in Freezer<br>-Serving<br>-Dishwasher<br>-Garbage Disposal<br>-Kitchen, toilet, lockers |                 |            | 2.75 (per meal)<br><br><br><br><br><br><br><br>50 |                   |                  |                            |

| SPACE                                                               | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|---------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                     | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Satellite Kitchen (Optional)                                        |                 |            |                               | 150               |                  |                            |
| Custodial, Storage, Toilet, include one space with outside entrance |                 |            | 1 per enrollee                |                   |                  |                            |
| Library, Reading                                                    |                 |            | 25x10% enrollment             |                   |                  |                            |
| -Workroom, Production                                               |                 |            |                               | 800               |                  |                            |
| -Stacks                                                             |                 |            |                               | 600               |                  |                            |
| -Circulation                                                        |                 |            |                               | 100               |                  |                            |
| -Library Office                                                     |                 |            |                               | 160               |                  |                            |
| -A-V Storage                                                        |                 |            |                               | 300               |                  |                            |
| -Periodical Storage                                                 |                 |            |                               | 100               |                  |                            |
| -Communications                                                     |                 |            |                               | 300               |                  |                            |
| -Conference                                                         |                 |            |                               | 10                |                  |                            |
| -Textbook Storage (Optional)                                        |                 |            |                               | 300               |                  |                            |
| -Professional Reading                                               |                 |            |                               | 150               |                  |                            |
| Business Education, Typing                                          |                 |            |                               |                   |                  |                            |
| -Storage                                                            |                 |            | 30                            | 150               |                  |                            |
| Home Economics                                                      |                 |            |                               |                   |                  |                            |
| -Clothing                                                           |                 |            |                               | 50                |                  |                            |
| -Food                                                               |                 |            |                               | 50                |                  |                            |
| Multipurpose Combination (Optional)                                 |                 |            |                               | 55                |                  |                            |
| -Storage                                                            |                 |            |                               |                   | 200              |                            |
| -Storage, Optional                                                  |                 |            |                               | 4                 |                  |                            |
| -Toilet                                                             |                 |            |                               | 25                |                  |                            |
| Industrial Arts                                                     |                 |            |                               |                   |                  |                            |
| -Unit                                                               |                 |            |                               | 60                |                  |                            |
| -Multiunit                                                          |                 |            |                               | 80                |                  |                            |
| -Drafting                                                           |                 |            |                               | 40                |                  |                            |
| -Electrical                                                         |                 |            |                               | 60                |                  |                            |
| -Storage Per Unit Shop                                              |                 |            |                               |                   | 200              |                            |
| -Finishing                                                          |                 |            |                               |                   | 100              |                            |
| -Project Storage                                                    |                 |            |                               |                   | 100              |                            |

| SPACE                                                                                                                                                                                                                                                                                                                                                 | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                                       | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Science, Classroom                                                                                                                                                                                                                                                                                                                                    |                 |            | 45                            |                   |                  |                            |
| -Student Project                                                                                                                                                                                                                                                                                                                                      |                 |            | 5                             |                   |                  |                            |
| -Storage                                                                                                                                                                                                                                                                                                                                              |                 |            | 5                             |                   |                  |                            |
| Exceptional Child Spaces                                                                                                                                                                                                                                                                                                                              |                 |            |                               |                   |                  |                            |
| -VE                                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -EMR                                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -TMR                                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -SLD                                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -S & M                                                                                                                                                                                                                                                                                                                                                |                 |            |                               | 650               |                  |                            |
| -ED                                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -SM                                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -Deaf                                                                                                                                                                                                                                                                                                                                                 |                 |            |                               | 650               |                  |                            |
| -V. H.                                                                                                                                                                                                                                                                                                                                                |                 |            |                               | 650               |                  |                            |
| -P. H.                                                                                                                                                                                                                                                                                                                                                |                 |            |                               | 650               |                  |                            |
| -Gifted                                                                                                                                                                                                                                                                                                                                               |                 |            |                               | 650               |                  |                            |
| -Itinerant (Exc.)                                                                                                                                                                                                                                                                                                                                     |                 |            | 90                            |                   |                  |                            |
| -Resource (Exc.)                                                                                                                                                                                                                                                                                                                                      |                 |            | 50                            |                   |                  |                            |
| -Reading (Exc.)                                                                                                                                                                                                                                                                                                                                       |                 |            | 25                            | 625               |                  |                            |
| Vocational Education                                                                                                                                                                                                                                                                                                                                  |                 |            |                               |                   |                  |                            |
| Category of Laboratory                                                                                                                                                                                                                                                                                                                                |                 |            | 50                            |                   |                  |                            |
| Light (for example, Drafting, Health Occupations, Commercial Sewing, or Vocational Office Education, also Barbering, Business Machine Mechanics, Commercial Art, Commercial Photography, Custodial Service, Electronics-Communications, Instrument Maintenance & Repair, Metallurgy, Painting & Decorating, Radio-TV Repair, Shoe Repair & Tailoring) |                 |            |                               |                   |                  |                            |
| - Related space may vary with program                                                                                                                                                                                                                                                                                                                 |                 |            |                               |                   |                  |                            |
| Category of Laboratory                                                                                                                                                                                                                                                                                                                                |                 |            |                               | 200               |                  |                            |
| Medium (for example, Electricity, Graphic Arts or Cosmetology, also Commercial Cooking and Baking, Meat Cutting, Dimension Quality Control,                                                                                                                                                                                                           |                 |            | 75                            |                   |                  |                            |

MIDDLE SCHOOL MODEL  
GRADES 6-8

| SPACE                                                                                                                                                                                                                                                                    | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                          | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Diversified Mechanics, Drycleaning & Laundering, Electrical-Construction, Electronics-Industrial, Electrical-Industrial, Electro-Mechanical Assembly, Electrical Motor and Generator Repair, Plumbing and Pipe Fitting, Printing, Small engine Repair and Upholstering.) |                 |            |                               | 250               |                  |                            |
| - Related space may vary with program                                                                                                                                                                                                                                    |                 |            |                               |                   |                  |                            |
| Physical Education                                                                                                                                                                                                                                                       |                 |            |                               | 8,320             |                  |                            |
| -Playing Floor (overall 80'x104' to include one standard court 50'x84' with 10' on each end of court and 6' on each side of court. This will accommodate 1 standard court of 84'x50' and 2 criss courts of 80'x52'.                                                      |                 |            |                               |                   |                  |                            |
| -Classroom (Health, P.E., light activity)                                                                                                                                                                                                                                |                 |            |                               | 750               |                  |                            |
| -Boys Service Area                                                                                                                                                                                                                                                       |                 |            |                               |                   |                  |                            |
| a) Dressing Room (computed at peak load, i.e., class of 40=480 sq. ft. exclusive of lockers).                                                                                                                                                                            |                 |            | 12                            |                   |                  |                            |

| SPACE                                                                                                                                                                                                                | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                      | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|----------------------|------------------|----------------------------|
|                                                                                                                                                                                                                      | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE    |                  |                            |
| b) Locker Space                                                                                                                                                                                                      |                 |            | 1.5 per enrollee              | 15 (per shower head) |                  |                            |
| c) Shower Room-5 pupils per shower head. For example, divide class of 40 pupils by 5 shower heads per pupil to equal 8 spaces at 15 sq. ft. per space for total of 120 sq. ft.                                       |                 |            | 7<br>1.5 per peak load        |                      |                  |                            |
| d) Drying (Towel) Room                                                                                                                                                                                               |                 |            |                               |                      |                  |                            |
| e) Toilets - 1 water closet per each 75 pupils; 1 urinal per 30 pupils; 1 lavatory per 100 pupils.                                                                                                                   |                 |            |                               |                      |                  |                            |
| -Girls Service Area                                                                                                                                                                                                  |                 |            |                               |                      |                  |                            |
| a) Dressing Room (computed at peak load, i.e., class of 40=480 sq. ft. exclusive of lockers).                                                                                                                        |                 |            | 12                            |                      |                  |                            |
| b) Locker space                                                                                                                                                                                                      |                 |            | 1.5                           | 15 (per shower head) |                  |                            |
| c) Shower Room-15 sq. ft. per shower head to be multiplied by 4 pupils per shower head. Example, divide class of 40 pupils by 4 shower heads per pupil to 10 spaces at 15 sq. ft. per space for total of 150 sq. ft. |                 |            |                               |                      |                  |                            |
| d) Drying (Towel) Room                                                                                                                                                                                               |                 |            | 7<br>1.5 per peak load        |                      |                  |                            |
| e) Toilets - 1 water closet per each 45 pupils; 1 lavatory per 100 pupils.                                                                                                                                           |                 |            |                               |                      |                  |                            |
| -Storage & Equipment Room for Boys (P.E.)                                                                                                                                                                            |                 |            | 4 at peak load                |                      |                  |                            |
| -Storage & Equipment Room for Girls (P.E.)                                                                                                                                                                           |                 |            | 4 at peak load                |                      |                  |                            |
| -Teacher office space, male teacher                                                                                                                                                                                  |                 |            | 80                            | 35                   |                  |                            |
| -Teacher shower & Toilet                                                                                                                                                                                             |                 |            |                               |                      |                  |                            |
| -Teacher office space, female teacher                                                                                                                                                                                |                 |            |                               |                      |                  |                            |
| -Teacher shower & toilet                                                                                                                                                                                             |                 |            |                               |                      |                  |                            |
| -Laundry & Towel Distribution                                                                                                                                                                                        |                 |            |                               |                      |                  |                            |

## APPENDIX XI

| SPACE                                                                                                            | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                  | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| -Storage, outside entrance                                                                                       |                 |            |                               | 100               |                  |                            |
| Note: Add to above total by per cent<br>-Circulation<br>-Walls, interior<br>-Walls, exterior<br>-Heating-Cooling |                 |            |                               |                   |                  |                            |
|                                                                                                                  |                 |            |                               |                   |                  | 15%<br>4%<br>3%<br>1%      |

JUNIOR HIGH SCHOOL MODEL  
GRADES 7-8-9

APPENDIX XII

| SPACE                                                                                                               | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|---------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                     | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Classroom, General (7)<br>-Storage, Classroom<br>-Storage, Pupil (locker)                                           |                 |            | 28<br>4<br>2                  |                   |                  |                            |
| Classroom, General (8)<br>-Storage, Classroom<br>-Storage, Pupil (locker)                                           |                 |            | 28<br>4<br>2                  |                   |                  |                            |
| Classroom, General (9)<br>-Storage, Classroom<br>-Storage, Pupil (locker)                                           |                 |            | 25<br>4<br>2                  |                   |                  |                            |
| Pupil Toilets                                                                                                       |                 |            | 1.5                           |                   |                  |                            |
| Music, Choral<br>-Storage, General<br>-Practice Room<br>-Library                                                    |                 |            | 4<br>25                       | 1000<br>150       |                  |                            |
| Music, Instrumental<br>-Storage, General<br>-Practice Room<br>-Ensemble<br>-Storage, Instrument                     |                 |            | 4<br>25<br>25                 | 1500<br>300       |                  |                            |
| Arts & Crafts<br>-Storage, General<br>-Storage, Project                                                             |                 |            | 50<br>4 or                    | 200<br>100        |                  |                            |
| Reading Laboratory<br>-Storage                                                                                      |                 |            | 50<br>4                       |                   |                  |                            |
| Administration (Prin., Asst. Prin.,<br>Bookkeeper, Sec.)<br>-Toilets, Principal<br>-Toilets, Men<br>-Toilets, Women |                 |            | 175                           | 25<br>25<br>25    |                  |                            |

JUNIOR HIGH SCHOOL MODEL  
GRADES 7-8-9

APPENDIX XII

| SPACE                                                                                                                                                       | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED                     |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------------------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                             | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON                                | SQ. FT. PER SPACE |                  |                            |
| Counseling                                                                                                                                                  |                 |            | 175                                               |                   |                  |                            |
| Clinic, Boys                                                                                                                                                |                 |            | 70                                                |                   |                  |                            |
| Clinic, Girls                                                                                                                                               |                 |            | 70                                                |                   |                  |                            |
| Clinic, Office<br>-Toilets, Boys<br>-Toilets, Girls                                                                                                         |                 |            | 80 (per adult)<br>25<br>25                        |                   |                  |                            |
| Administrative Storage                                                                                                                                      |                 |            | 35 (per 10 adults)                                |                   |                  |                            |
| Teacher Toilets                                                                                                                                             |                 |            |                                                   | 50                |                  |                            |
| Conference                                                                                                                                                  |                 |            | 10                                                |                   |                  |                            |
| Teacher Planning                                                                                                                                            |                 |            | 80 (per 1 adult)<br>45 (4 adults)                 |                   |                  |                            |
| Teacher Lounge                                                                                                                                              |                 |            | 25                                                |                   |                  |                            |
| Teacher Workroom                                                                                                                                            |                 |            | 8                                                 |                   |                  |                            |
| Teacher Aides                                                                                                                                               |                 |            | 40                                                |                   |                  |                            |
| Large Group Instruction, Seating<br>-Storage, Demonstration,<br>Performance                                                                                 |                 |            | 7<br>1                                            |                   |                  |                            |
| Dining                                                                                                                                                      |                 |            | 10                                                |                   |                  |                            |
| Kitchen<br>-Preparation and Serving<br>-Office<br>-Storage<br>-Walk-in Freezer<br>-Serving<br>-Dishwasher<br>-Garbage Disposal<br>-Kitchen, Toilet, Lockers |                 |            | 2.75 (per meal)<br><br><br><br><br><br><br><br>50 |                   |                  |                            |

| SPACE                                                               | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|---------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                     | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Self-serve Kitchen (Optional)                                       |                 |            |                               | 150               |                  |                            |
| Industrial, Storage, Toilet (include 1 space with outside entrance) |                 |            | 1 (per enrollee)              |                   |                  |                            |
| Workroom                                                            |                 |            |                               |                   |                  |                            |
| -Service Closets                                                    |                 |            |                               | 25                |                  |                            |
| Library, Reading                                                    |                 |            |                               |                   |                  |                            |
| -Workroom, Production                                               |                 |            |                               |                   |                  |                            |
| -Stacks                                                             |                 |            | 25x10% enrollment             | 800               |                  |                            |
| -Circulation                                                        |                 |            |                               | 600               |                  |                            |
| -Library Office                                                     |                 |            |                               | 100               |                  |                            |
| -A.V. Storage                                                       |                 |            |                               | 160               |                  |                            |
| -Periodical Storage                                                 |                 |            |                               | 300               |                  |                            |
| -Communications                                                     |                 |            |                               | 100               |                  |                            |
| -Conference                                                         |                 |            |                               | 300               |                  |                            |
| -Textbook Storage (Optional)                                        |                 |            |                               | 10                |                  |                            |
| -Professional Reading                                               |                 |            |                               | 300               |                  |                            |
|                                                                     |                 |            |                               | 150               |                  |                            |
| Business Education, Typing                                          |                 |            |                               |                   |                  |                            |
| -Storage                                                            |                 |            |                               | 30                |                  |                            |
| Home Economics                                                      |                 |            |                               |                   |                  |                            |
| -Clothing                                                           |                 |            |                               | 50                |                  |                            |
| -Foods                                                              |                 |            |                               | 50                |                  |                            |
| -Multipurpose Combination (Opt.)                                    |                 |            |                               | 55                |                  |                            |
| -Storage                                                            |                 |            |                               | 200               |                  |                            |
| -Storage, Optional                                                  |                 |            |                               | 4                 |                  |                            |
| -Toilet                                                             |                 |            |                               | 25                |                  |                            |
| Industrial Arts                                                     |                 |            |                               |                   |                  |                            |
| -Unit                                                               |                 |            |                               | 60                |                  |                            |
| -Multiunit                                                          |                 |            |                               | 80                |                  |                            |
| -Drafting                                                           |                 |            |                               | 40                |                  |                            |
| -Electrical                                                         |                 |            |                               | 60                |                  |                            |
| -Storage Per Unit Shop                                              |                 |            |                               | 200               |                  |                            |
| -Finishing                                                          |                 |            |                               | 100               |                  |                            |
| -Project Storage                                                    |                 |            |                               | 200               |                  |                            |

JUNIOR HIGH SCHOOL MODEL  
GRADES 7-8-9

APPENDIX XII

| SPACE                                                                                                                                                                                                                                                                                                                                  | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                        | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Science, Classroom<br>-Student Project<br>-Storage                                                                                                                                                                                                                                                                                     |                 |            | 45<br>5<br>5                  |                   |                  |                            |
| Exceptional Child Spaces                                                                                                                                                                                                                                                                                                               |                 |            |                               |                   |                  |                            |
| -VE                                                                                                                                                                                                                                                                                                                                    |                 |            |                               |                   |                  |                            |
| -EMR                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -TMR                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -SLD                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -S & H                                                                                                                                                                                                                                                                                                                                 |                 |            |                               | 650               |                  |                            |
| -ED                                                                                                                                                                                                                                                                                                                                    |                 |            |                               | 650               |                  |                            |
| -SM                                                                                                                                                                                                                                                                                                                                    |                 |            |                               | 650               |                  |                            |
| -Deaf                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -V.H.                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -P.H.                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -Gifted                                                                                                                                                                                                                                                                                                                                |                 |            |                               | 650               |                  |                            |
| -Itinerant (EXC.)                                                                                                                                                                                                                                                                                                                      |                 |            |                               | 625               |                  |                            |
| -Resource (EXC.)                                                                                                                                                                                                                                                                                                                       |                 |            | 90<br>50<br>25                |                   |                  |                            |
| -Reading (EXC.)                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   |                  |                            |
| Vocational Education                                                                                                                                                                                                                                                                                                                   |                 |            |                               |                   |                  |                            |
| Category of Laboratory                                                                                                                                                                                                                                                                                                                 |                 |            |                               |                   |                  |                            |
| Light (i.e., Drafting, Health Occupations, Commercial Sewing, Vocational Office Education, Barbering, Business Machine Mechanics, Commercial Art, Commercial Photography, Custodial Service, Electronics-Communications, Instrument Maintenance & Repair, Metallurgy, Painting & Decoration, Radio-TV Repair, Shoe Repair & Tailoring) |                 |            |                               |                   |                  |                            |
| -Related space may vary with program                                                                                                                                                                                                                                                                                                   |                 |            |                               |                   |                  |                            |
| Medium (i.e., Electricity, Graphic Arts, Cosmetology, Commercial Cooking & Baking, Meat Cutting, Dimension Quality Control, Diversified Mechanics, Dry-cleaning and Laundering, Electrical-Construction, Electronics-Industrial,                                                                                                       |                 |            | 75                            | 250               |                  |                            |

| SPACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES                       | TOTAL SQUARE FOOTAGE NEEDS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|----------------------------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                                        |                            |
| <p><u>Medium</u> (continued), Electrical-Industrial, Electro-Mechanical Assembly, Electrical-Motor and Generator Repair, Plumbing and Pipe Fitting, Printing, Small Engine Repair &amp; Upholstering)</p> <p>-Related space may vary with program</p> <p><u>Heavy</u> (i.e., Auto Mechanics, Carpentry, Agriculture, Industrial Arts, Machine Laboratories, Air Conditioning, Heating &amp; Ventilation, Appliance Repair, Automotive Body Repair &amp; Refinishing, Aviation Maintenance (Power, Frame, Combination), Cabinet Making &amp; Millwork, Diesel Mechanics, Heavy Equipment Operation, Masonry-Brick, Block-laying, Cement Finishing, and/or Tile Setting, Refrigeration (Commercial), Sheet Metal, and Welding (Acetylene and Arc)</p> <p>-Related space may vary with program</p> <p><u>Physical Education</u></p> <p>-Playing Floor (overall 80'x104' to include 1 standard court 50'x84' with 10' on each end of court and 6' on each side of court. This will accommodate 1 standard court of 84'x50' and 2 cross courts of 80'x52'.</p> <p>-Classroom(health, P.E., light activity)</p> <p>-Boys Service Area</p> <p>(a) Dressing Room (computed at peak load, i.e., class of 40=480 sq. ft. exclusive of lockers)</p> <p>(b) Locker Space</p> <p>(c) Shower Room-5 pupils per shower head, i.e., divide class of 40 pupils by 5 shower heads per pupil to equal</p> |                 |            | 100                           | 350               |                                        |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   | 450                                    |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   | 8,320                                  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   | 750                                    |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   | 12                                     |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                               |                   | 1.5 per enrollee<br>15 per shower head |                            |

JUNIOR HIGH SCHOOL MODEL  
GRADES 7-8-9

APPENDIX XII

| SPACE                                                                                                                                                                                                              | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                    | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDED |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|--------------------|------------------|-----------------------------|
|                                                                                                                                                                                                                    | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE  |                  |                             |
| 8 spaces at 15 sq. ft. per space for total of 120 sq. ft.                                                                                                                                                          |                 |            |                               |                    |                  |                             |
| (d) Drying (towel) Room                                                                                                                                                                                            |                 |            | 7                             |                    |                  |                             |
| (e) Toilets-1 water closer per each 75 pupils; 1 urinal per 30 pupils; 1 lavatory per 100 pupils                                                                                                                   |                 |            | 1.5 per peak load             |                    |                  |                             |
| -Girls Service Area                                                                                                                                                                                                |                 |            |                               |                    |                  |                             |
| (a) Dressing Room (computed at peak load, i.e., class of 40=48) sq. ft. exclusive of lockers)                                                                                                                      |                 |            | 12                            |                    |                  |                             |
| (b) Locker Space                                                                                                                                                                                                   |                 |            | 1.5                           |                    |                  |                             |
| (c) Shower Room-15 sq. ft. per shower head to be multiplied by 4 pupils per shower head, i.e., divide class of 40 pupils by 4 shower heads per pupil to 10 spaces at 15 sq. ft. per space for total of 150 sq. ft. |                 |            |                               | 15 per shower head |                  |                             |
| (d) Drying (towel) room                                                                                                                                                                                            |                 |            | 15                            |                    |                  |                             |
| (e) Toilets-1 water closer per each 45 pupils; 1 lavatory per 100 pupils                                                                                                                                           |                 |            | 1.5 per peak load             |                    |                  |                             |
| -Storage & Equipment Room for Boys (P.E.)                                                                                                                                                                          |                 |            |                               |                    |                  |                             |
| -Storage & Equipment Room, Girls (P.E.)                                                                                                                                                                            |                 |            | 4 at peak load                |                    |                  |                             |
| -Teacher office space, male teacher                                                                                                                                                                                |                 |            | 4 at peak load                |                    |                  |                             |
| Teacher shower & toilet                                                                                                                                                                                            |                 |            | 80                            |                    |                  |                             |
| -Teacher office space, female teacher                                                                                                                                                                              |                 |            |                               | 35                 |                  |                             |
| Teacher shower & toilet                                                                                                                                                                                            |                 |            |                               | 35                 |                  |                             |
| -Laundry & Towel Distribution                                                                                                                                                                                      |                 |            |                               | 150                |                  |                             |
| -Storage, outside entrance                                                                                                                                                                                         |                 |            |                               | 100                |                  |                             |
| Note: Add to above total by per cent                                                                                                                                                                               |                 |            |                               |                    |                  |                             |
| -Circulation                                                                                                                                                                                                       |                 |            |                               |                    |                  | 15%                         |
| -Halls, interior                                                                                                                                                                                                   |                 |            |                               |                    |                  | 4%                          |
| -Halls, exterior                                                                                                                                                                                                   |                 |            |                               |                    |                  | 3%                          |
| -Heating-Cooling                                                                                                                                                                                                   |                 |            |                               |                    |                  | 1%                          |

# HIGH SCHOOL MODEL GRADES 9-12

| SPACE                                                           | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-----------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                 | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Classroom, General                                              |                 |            | 25                            |                   |                  |                            |
| -Storage, Classroom                                             |                 |            | 4                             |                   |                  |                            |
| -Storage, Pupil (Locker)                                        |                 |            | 2                             |                   |                  |                            |
| Pupil Toilets                                                   |                 |            | 1.5                           |                   |                  |                            |
| Music, Choral                                                   |                 |            |                               |                   |                  |                            |
| -Storage, General                                               |                 |            | 4                             | 1500              |                  |                            |
| -Practice Room                                                  |                 |            | 25                            | 150               |                  |                            |
| -Library                                                        |                 |            |                               |                   |                  |                            |
| Music, Instrumental                                             |                 |            |                               |                   |                  |                            |
| -Storage, General                                               |                 |            | 4                             | 1800              |                  |                            |
| -Practice Room                                                  |                 |            | 25                            |                   |                  |                            |
| -Ensemble                                                       |                 |            | 25                            |                   |                  |                            |
| -Storage, Instrument                                            |                 |            |                               | 500               |                  |                            |
| Arts & Crafts                                                   |                 |            |                               |                   |                  |                            |
| -Storage, General                                               |                 |            | 50                            |                   |                  |                            |
| -Storage, Project                                               |                 |            | 4                             | 250               |                  |                            |
| Reading Laboratory                                              |                 |            |                               |                   |                  |                            |
| -Storage                                                        |                 |            | 50                            |                   |                  |                            |
|                                                                 |                 |            | 4                             |                   |                  |                            |
| Administration (Prin., Asst. Prin.,<br>Dean, Bookkeeper, Secs.) |                 |            | 175                           |                   |                  |                            |
| -Toilets, Principal                                             |                 |            |                               | 25                |                  |                            |
| -Toilets, Men                                                   |                 |            |                               | 25                |                  |                            |
| -Toilets, Women                                                 |                 |            |                               | 25                |                  |                            |
| Counseling Office                                               |                 |            |                               |                   |                  |                            |
| -Storage                                                        |                 |            | 120                           | 150               |                  |                            |
| Science, Boys                                                   |                 |            | 70                            |                   |                  |                            |
| Science, Girls                                                  |                 |            | 70                            |                   |                  |                            |
| Science, Office                                                 |                 |            | 80                            |                   |                  |                            |
| Toilets, Boys                                                   |                 |            | 25                            |                   |                  |                            |

| SPACE                                                                                                                                                       | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED     |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-----------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                             | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON                | SQ. FT. PER SPACE |                  |                            |
| -Toilets, Girls                                                                                                                                             |                 |            | 25                                |                   |                  |                            |
| Administrative Storage                                                                                                                                      |                 |            |                                   | 400               |                  |                            |
| Teacher Toilets                                                                                                                                             |                 |            |                                   | 50                |                  |                            |
| Conference                                                                                                                                                  |                 |            | 25                                |                   |                  |                            |
| Teacher Planning                                                                                                                                            |                 |            | 80 per adult<br>45 per 4 adults   |                   |                  |                            |
| Teacher Lounge                                                                                                                                              |                 |            | 25                                |                   |                  |                            |
| Teacher Workroom                                                                                                                                            |                 |            | 8                                 |                   |                  |                            |
| Teacher Aides                                                                                                                                               |                 |            | 40                                |                   |                  |                            |
| Large Group Instruction, Seating<br>-Storage, Demonstration, Performance                                                                                    |                 |            | 7<br>2                            |                   |                  |                            |
| Dining                                                                                                                                                      |                 |            | 10 per person<br>seated at 1 time |                   |                  |                            |
| Kitchen<br>-Preparation & Serving<br>-Office<br>-Storage<br>-Walk-in Freezer<br>-Serving<br>-Dishwasher<br>-Garbage Disposal<br>-Kitchen, Toilets, Lockers. |                 |            | 2.75 per meal                     |                   |                  |                            |
| Sanitary Kitchen (Optional)                                                                                                                                 |                 |            |                                   | 150               |                  |                            |
| Storage, Toilets, include 1<br>space with outside entrance                                                                                                  |                 |            | 1                                 |                   |                  |                            |

| SPACE                                                                                                                                                                        | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED                                    |                                                              | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|------------------------------------------------------------------|--------------------------------------------------------------|------------------|----------------------------|
|                                                                                                                                                                              | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON                                               | SQ. FT. PER SPACE                                            |                  |                            |
| Workroom<br>-Service Closets                                                                                                                                                 |                 |            |                                                                  | 25                                                           |                  |                            |
| Library, Reading<br>-Workroom, production                                                                                                                                    |                 |            | 25x10% enrol-<br>lment (example,<br>based on 2000<br>enrollment) | 1100<br>120<br>200<br>300<br>100<br>610<br>500<br>400<br>200 |                  |                            |
| -Stacks<br>-Circulation<br>-Library Office<br>-A-V Storage<br>-Periodical Storage<br>-Communications<br>-Conference<br>-Textbook Storage (optional)<br>-Professional Reading |                 |            |                                                                  |                                                              |                  |                            |
| Business Education, Typing<br>-Storage                                                                                                                                       |                 |            | 30                                                               | 150                                                          |                  |                            |
| Home Economics<br>-Clothing<br>-Foods<br>-Multipurpose Combination (Opt.)<br>-Storage<br>-Storage (Opt.)<br>-Toilet                                                          |                 |            | 50<br>50<br>55<br>4                                              | 200<br>25                                                    |                  |                            |
| Industrial Arts<br>-Cabinet<br>-Multimedia<br>-Drafting<br>-Electrical<br>-Storage per unit shop<br>-Finishing<br>-Project Storage                                           |                 |            | 60<br>80<br>25                                                   | 200<br>100<br>200                                            |                  |                            |

| SPACE                                                                                                                                                                                                                                                                                                                                 | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                       | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Science, Classroom, Labs                                                                                                                                                                                                                                                                                                              |                 |            | 45                            | 125               |                  |                            |
| -Student Project                                                                                                                                                                                                                                                                                                                      |                 |            |                               | 150               |                  |                            |
| -Storage                                                                                                                                                                                                                                                                                                                              |                 |            |                               |                   |                  |                            |
| Exceptional Child Spaces                                                                                                                                                                                                                                                                                                              |                 |            |                               |                   |                  |                            |
| -VE                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -EMR                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -EMR                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -S.D                                                                                                                                                                                                                                                                                                                                  |                 |            |                               | 650               |                  |                            |
| -S. & H                                                                                                                                                                                                                                                                                                                               |                 |            |                               | 650               |                  |                            |
| -ED                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -SN                                                                                                                                                                                                                                                                                                                                   |                 |            |                               | 650               |                  |                            |
| -Deaf                                                                                                                                                                                                                                                                                                                                 |                 |            |                               | 650               |                  |                            |
| -V.H.                                                                                                                                                                                                                                                                                                                                 |                 |            |                               | 650               |                  |                            |
| -P.H.                                                                                                                                                                                                                                                                                                                                 |                 |            |                               | 650               |                  |                            |
| -Crippled                                                                                                                                                                                                                                                                                                                             |                 |            |                               | 650               |                  |                            |
| -Itinerant (Exc.)                                                                                                                                                                                                                                                                                                                     |                 |            | 90                            | 625               |                  |                            |
| -Resource (Exc.)                                                                                                                                                                                                                                                                                                                      |                 |            | 50                            |                   |                  |                            |
| -Reading (Exc.)                                                                                                                                                                                                                                                                                                                       |                 |            | 25                            |                   |                  |                            |
| Occupational Location                                                                                                                                                                                                                                                                                                                 |                 |            |                               |                   |                  |                            |
| Category of Laboratory                                                                                                                                                                                                                                                                                                                |                 |            |                               |                   |                  |                            |
| -Auto, D.O., Drafting, Health Occupations, Commercial Sewing, Vocational Office Ed., Barbering, Business Machine Mechanics, Commercial Art, Commercial Photography, C-3-Industrial Service, Electronics-Communications, Instrument Maintenance & Repair, Metallurgy, Painting & Decorating, Radio-TV Repair, Shoe Repair, Tailoring). |                 |            |                               |                   |                  |                            |
| -Classroom space may vary with program                                                                                                                                                                                                                                                                                                |                 |            |                               |                   |                  |                            |
| -Cafeteria (i.e., Electricity, Gra-<br>phic Arts, Cosmetology, Commercial<br>Cooking and Baking, Meat Cutting,<br>Extension Quality Control.                                                                                                                                                                                          |                 |            | 75                            | 300               |                  |                            |
|                                                                                                                                                                                                                                                                                                                                       |                 |            | 50                            |                   |                  |                            |

HIGH SCHOOL MODEL  
GRADES 9-12

APPENDIX XIII

| SPACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                   | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|-------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE |                  |                            |
| Diversified Mechanics, Drycleaning & Laundering, Electrical-Construction, Electronics-Industrial, Electrical-Industrial, Electro-Mechanical Assembly, Electrical Motor and Generator Repair, Plumbing and Pipe Fitting, Printing, Small Engine Repair and Upholstering.)                                                                                                                                                                                                                                              |                 |            |                               | 400               |                  |                            |
| -Related space may vary with program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |            |                               |                   |                  |                            |
| Category of Laboratory<br>Heavy (for example Auto Mechanics, Carpentry, Agriculture, Industrial Arts or Machine Laboratories, also Air Conditioning, Heating and Ventilation, Appliance Repair, Automotive Body Repair & Refinishing, Aviation Maintenance (Power, Frame, Combination), Cabinet-making and Millwork, Diesel Mechanics, Heavy Equipment Operation, Masonry-Brick, Block laying, Cement Finishing and/or Tile Setting, Sheet Metal, Refrigeration and Welding).<br>-Related space may vary with program |                 |            | 100                           | 500               |                  |                            |
| Greenhouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |            |                               | 400               |                  |                            |
| Gymnasium<br>-Playing Floor 110' x 60' Varsity (Overall 60' x 100') to include 1 standard court 50' x 84' with 10' on each end of court and 6' on each side of court. This will accommodate 1 standard court of 24' x 50' and 2 cross courts of 24' x 52'.                                                                                                                                                                                                                                                            |                 |            |                               | 8,320             |                  |                            |

# HIGH SCHOOL MODEL GRADES 9-12

## APPENDIX XIII

| SPACE                                                                                                                                                                                                                    | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED |                     | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------------------|---------------------|------------------|----------------------------|
|                                                                                                                                                                                                                          | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON            | SQ. FT. PER SPACE   |                  |                            |
| -Seating computed at three square ft. per person - a portion of cross courts included in Playing Floor area of 8,320 (1,632 sq. ft.) may be utilized for folding bleacher seats.                                         |                 |            | 3 per person to be seated     |                     |                  |                            |
| -Classroom (Health, P.E., light activity)                                                                                                                                                                                |                 |            |                               | 1,200               |                  |                            |
| -Boys' Service Area                                                                                                                                                                                                      |                 |            |                               |                     |                  |                            |
| a) Dressing Room (computed at peak load, i.e., class of 40=480 sq. ft. exclusive of lockers).                                                                                                                            |                 |            | 12                            |                     |                  |                            |
| b) Locker Space                                                                                                                                                                                                          |                 |            | 1.5 enrolled                  |                     |                  |                            |
| c) Shower Room - 5 pupils per shower head. Example, divide class of 40 pupils by 5 shower heads per pupil to equal 8 spaces at 15 sq. ft. per space for total of 120 sq. ft.                                             |                 |            |                               | .15 per shower head |                  |                            |
| d) Drying (Towelings) Room                                                                                                                                                                                               |                 |            | 15                            | 120 per 40 pupils   |                  |                            |
| e) Toilets - 1 water closet per each 75 pupils; 1 urinal per 30 pupils; 1 lavatory per 100 pupils.                                                                                                                       |                 |            | 1.5 per peak load             |                     |                  |                            |
| -Girls Service Area                                                                                                                                                                                                      |                 |            |                               |                     |                  |                            |
| a) Dressing Room (computed at peak load, i.e., class of 40=480 sq. ft. exclusive of lockers).                                                                                                                            |                 |            | 12                            |                     |                  |                            |
| b) Locker Space                                                                                                                                                                                                          |                 |            | 1.5                           |                     |                  |                            |
| c) Shower Room - 5 sq. ft. per shower head to be multiplied by 4 pupils per shower head, i.e., divide class of 40 pupils by 4 shower heads per pupil to equal 10 spaces at 15 sq. ft. per space for total of 150 sq. ft. |                 |            |                               | 15 per shower head  |                  |                            |
| d) Drying (Towelings) Room                                                                                                                                                                                               |                 |            | 15                            |                     |                  |                            |

# HIGH SCHOOL MODEL GRADES 9-12

## APPENDIX XIII

| SPACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | VARIABLE NUMBER |            | MINIMUM SQUARE FOOTAGE NEEDED    |                                                                                                                                                          | NUMBER OF SPACES | TOTAL SQUARE FOOTAGE NEEDS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PUPILS          | NON-PUPILS | SQ. FT. PER PERSON               | SQ. FT. PER SPACE                                                                                                                                        |                  |                            |
| e) Toilets - 1 water closet per each 45 pupils; 1 lavatory per 100 pupils                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |            | 1.5 per peak load                |                                                                                                                                                          |                  |                            |
| -Storage & Equipment Room for Boys (P.E.)<br>-Storage & Equipment Room for Girls (P.E.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            | 4 at peak load<br>4 at peak load |                                                                                                                                                          |                  |                            |
| -Teacher Office Space, Male Teacher<br>-Teacher shower and toilet<br>-Teacher Office Space, Female Teacher<br>-Teacher shower and toilet<br>-Laundry and Towel Distribution<br>-Concessions<br>-Restroom for Public Use - Men (Min: 4 water closets, 4 urinals, 3 lavatories)<br>-Restrooms for Public Use - Women (Min: 6 water closets, 3 lavatories.)<br>-Clinic (First aid) - Boys<br>-Clinic (First aid) - Girls<br>-Ticket Office Space<br>-Display & Trophy Case<br>-Weight Room (Whirlpool)<br>-Lobby<br>-Varsity Locker<br>-Varsity Storage & Equipment<br>-Drying Room<br>-Storage, outside entrance |                 |            | 80<br>80                         | 35<br>35<br>35<br>150<br>150<br>200<br>200<br>200<br>100<br>100<br>50<br>40<br>400<br>4 per seat<br>15 per varsity player<br>5 per varsity player<br>100 |                  |                            |
| NOTE: Add to above total by per cent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |            |                                  |                                                                                                                                                          |                  |                            |
| -Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |            |                                  |                                                                                                                                                          |                  | 15%                        |
| -Utilities, interior                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |            |                                  |                                                                                                                                                          |                  | 4%                         |
| -Utilities, exterior                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |            |                                  |                                                                                                                                                          |                  | 3%                         |
| -Heating, cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |            |                                  |                                                                                                                                                          |                  | 1%                         |

## FOUR YEAR DEFERRATION OF CAPITAL OUTLAY ALLOCATIONS

APPROVED BY

73-74 76-77

LOCAL

3 &amp; 4

Debt Service on

TOTAL NEED

Ad Valorem

&amp; Debt Service

Bonds

|              | New<br>Building<br>Needs | Renovation<br>&<br>Refurbishment | Total of<br>1 & 2 | Debt Service on<br>Ad Valorem<br>Bonds | TOTAL NEED<br>& Debt Service |
|--------------|--------------------------|----------------------------------|-------------------|----------------------------------------|------------------------------|
| ALACHUA      | 6 425 225                | 5 243 502                        | 11 668 727        | 4 350 200                              | 16 018 927                   |
| BAKER        | 1 975 393                | 79 015                           | 2 054 408         | 154 751                                | 2 199 159                    |
| BAY          | 5 622 713                | 1 363 820                        | 6 986 533         | 602 963                                | 7 589 496                    |
| BAYFORD      | 722 566                  | 257 500                          | 980 066           | 132 799                                | 1 112 865                    |
| BREVARD      | 8 620 216                | 772 236                          | 9 392 452         | 13 073 962                             | 21 472 184                   |
| BROWARD      | 182 292 212              | 3 023 504                        | 185 315 716       | 40 212 015                             | 147 203 039                  |
| CALHOUN      | 309 257                  | 150 000                          | 459 257           |                                        | 459 257                      |
| CHARLOTTE    | 6 175 169                | 217 007                          | 6 422 176         | 2 114 516                              | 8 536 692                    |
| CITRUS       | 8 441 091                | 337 010                          | 8 778 101         |                                        | 8 778 641                    |
| CLAY         | 6 226 522                | 222 575                          | 6 449 097         |                                        | 6 449 097                    |
| COLLIER      | 14 314 249               | 572 569                          | 14 826 818        | 5 201 025                              | 20 167 843                   |
| COLUMBIA     | 2 346 081                | 190 609                          | 2 635 201         | 420 235                                | 3 116 116                    |
| DADE         | 151 930 066              | 6 077 202                        | 158 007 268       | 7 532 780                              | 165 540 048                  |
| DE SOTO      | 3 113 233                | 124 523                          | 3 237 756         |                                        | 3 237 762                    |
| DIKE         | 1 531 511                | 61 212                           | 1 592 723         | 10 590                                 | 1 603 313                    |
| DUVAL        | 1 683 285                | 5 281 447                        | 6 964 732         | 10 676 181                             | 17 640 913                   |
| FLAMINGO     | 10 979 294               | 282 690                          | 11 261 984        | 1 394 770                              | 13 256 754                   |
| FLORIDA      | 1 138 016                | 47 481                           | 1 234 497         | 111 360                                | 1 345 857                    |
| FRANKLIN     | 657 789                  | 33 000                           | 690 789           |                                        | 690 789                      |
| GADSDEN      |                          | 35 210                           | 35 210            |                                        | 35 210                       |
| GILCHRIST    |                          | 7 000                            | 7 000             |                                        | 7 000                        |
| GLADES       |                          | 24 600                           | 24 600            |                                        | 24 600                       |
| GOLF         |                          | 60 750                           | 60 750            | 352 050                                | 412 800                      |
| HAMILTON     | 363 158                  | 119 100                          | 482 258           | 113 330                                | 595 588                      |
| HARDEE       | 2 569 272                | 102 759                          | 2 672 031         | 377 447                                | 3 049 478                    |
| HENDRY       | 973 897                  | 38 956                           | 1 012 853         |                                        | 1 012 853                    |
| HERNANDO     | 5 193 742                | 207 750                          | 5 401 492         |                                        | 5 401 492                    |
| HIGHLANDS    | 957 112                  | 205 800                          | 1 162 912         | 1 756 080                              | 2 918 992                    |
| HILLSBOROUGH | 20 255 667               | 2 749 803                        | 23 005 470        | 5 890 028                              | 38 895 498                   |
| HOSEA        | 2 139 517                | 56 221                           | 2 245 738         |                                        | 2 245 738                    |
| INDIAN RIVER | 2 861 009                | 104 300                          | 2 965 309         | 1 064 426                              | 4 029 735                    |
| JACKSON      | 1 986 659                | 228 939                          | 2 215 598         |                                        | 2 215 598                    |
| JEFFERSON    | 483 115                  | 78 000                           | 561 115           |                                        | 561 115                      |
| LAFAYETTE    | 158 030                  | 24 000                           | 182 030           |                                        | 182 030                      |
| LAKE         | 9 928 009                | 398 682                          | 10 327 121        | 1 522 075                              | 12 256 256                   |
| LEE          | 15 839 122               | 623 965                          | 16 463 087        | 2 311 413                              | 18 794 500                   |
| LEON         | 8 034 391                | 321 375                          | 8 355 766         | 4 117 551                              | 12 473 317                   |
| LEVY         | 484 665                  | 21 500                           | 506 165           |                                        | 506 165                      |
| LIBERTY      | 1 218 617                | 48 744                           | 1 267 361         |                                        | 1 267 361                    |
| LINDSEY      | 2 886 057                | 115 442                          | 3 001 499         |                                        | 3 001 499                    |
| MADISON      | 13 070 075               | 3 067 870                        | 16 137 905        | 1 291 700                              | 17 429 605                   |
| MANATEE      | 6 780 442                | 284 500                          | 7 064 942         | 1 052 937                              | 8 117 879                    |
| MARTIN       | 9 736 690                | 389 468                          | 10 126 158        |                                        | 10 126 158                   |
| MONROE       |                          | 73 500                           | 73 500            | 643 620                                | 717 120                      |
| NASSAU       | 2 032 156                | 263 052                          | 2 295 208         | 118 915                                | 2 414 123                    |
| OKALOOSA     | 12 276 246               | 491 050                          | 12 767 296        | 1 313 472                              | 14 080 768                   |
| OKECHOBEE    | 6 591 863                | 263 675                          | 6 855 538         |                                        | 6 855 538                    |
| ORANGE       | 19 950 382               | 1 448 168                        | 21 398 550        | 6 904 875                              | 28 303 425                   |
| OSCEOLA      | 2 379 171                | 350 225                          | 2 729 396         |                                        | 2 729 396                    |
| PALM BEACH   | 40 272 979               | 4 850 522                        | 45 133 479        | 7 703 829                              | 52 837 308                   |
| PASCO        | 33 887 104               | 1 355 484                        | 35 242 588        | 5 301 808                              | 40 544 396                   |
| PINELLAS     | 30 491 098               | 1 228 915                        | 31 720 013        |                                        | 31 720 013                   |
| POLE         | 29 636 029               | 1 185 441                        | 30 821 470        | 712 182                                | 31 533 652                   |
| PUTNAM       | 5 325 255                | 263 750                          | 5 589 005         |                                        | 5 589 005                    |
| ST. JOHN     | 2 311 116                | 116 200                          | 2 427 316         | 945 462                                | 3 373 273                    |
| ST. LUCIE    | 14 359 266               | 574 371                          | 14 933 637        |                                        | 14 933 637                   |
| SANTA ROSA   | 6 434 078                | 281 515                          | 6 715 593         | 497 340                                | 7 212 933                    |
| SARASOTA     | 4 468 894                | 246 706                          | 4 715 600         | 3 911 166                              | 8 626 766                    |
| SEMINOLE     | 11 689 278               | 2 321 583                        | 14 010 861        | 2 865 341                              | 16 876 302                   |
| SUMTER       | 2 703 210                | 118 157                          | 2 821 367         |                                        | 2 821 367                    |
| SURFLEE      | 3 364 113                | 134 565                          | 3 498 678         | 567 903                                | 4 066 581                    |
| TAYLOR       | 1 127 215                | 107 825                          | 1 235 040         | 112 584                                | 1 347 624                    |
| UNION        | 604 957                  | 140 000                          | 744 957           |                                        | 744 957                      |
| VOLUNTA      | 14 937 414               | 592 496                          | 15 534 910        | 6 886 780                              | 22 421 690                   |
| WALTON       | 1 413 023                | 260 000                          | 1 673 023         |                                        | 1 673 023                    |
| WASHINGTON   | 1 248 502                | 184 300                          | 1 432 802         |                                        | 1 432 802                    |
| WILCOX       |                          | 165 750                          | 165 750           | 66 574                                 | 232 324                      |

|                | 1972-1973<br>BUDGET | SBE Bonding-<br>Capacity, Con.<br>Amendment of<br>1972 | SBE Bonding<br>from Bonds<br>becoming<br>Retired | TOTAL (CONTINUED)<br>Annual<br>CO & DS Dist.<br>to Counties | TOTAL      |
|----------------|---------------------|--------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------|------------|
| ALACHUA        | 3 602 994           | 5 162 000                                              | 1 823 494                                        |                                                             | 10 588 488 |
| BAKER          | 436 334             | 645 250                                                | 235 642                                          | 32 710                                                      | 1 369 936  |
| BAV            | 4 215 317           | 4 310 167                                              | 1 669 345                                        | 200 772                                                     | 9 866 601  |
| BAY            | 616 077             | 1 075 277                                              | 412 586                                          | 48 632                                                      | 2 152 572  |
| BAYFORD        | 13 014 805          | 2 655 947                                              | 163 494                                          |                                                             | 22 464 246 |
| BAYVIEW        | 25 854 970          | 2 142 414                                              | 619 724                                          | 1 614 781                                                   | 58 832 479 |
| BECARD         | 215 894             | 582 215                                                | 224 540                                          | 26 588                                                      | 1 125 307  |
| CALHOUN        | 494 322             | 1 479 514                                              | 118 163                                          | 53 366                                                      | 2 145 365  |
| CHARLOTTE      | 195 594             | 1 491 271                                              | 133 506                                          | 46 594                                                      | 2 621 965  |
| CITRUS         | 1 983 092           | 2 329 576                                              | 177 161                                          | 172 335                                                     | 4 561 164  |
| CLAY           | 15 179 793          | 2 432 293                                              | 235 632                                          | 178 768                                                     | 18 851 486 |
| COLLIER        | 791 813             | 1 099 431                                              | 550 517                                          | 83 082                                                      | 3 105 243  |
| COLUMBIA       | 25 497 645          | 43 794 861                                             | 16 199 023                                       |                                                             | 79 491 529 |
| DAD            | 193 829             | 945 391                                                | 236 207                                          | 39 199                                                      | 1 424 566  |
| DE SOTO        | 113 568             | 697 947                                                | 176 952                                          | 13 766                                                      | 792 773    |
| DEVAL          | 5 965 641           | 21 947 630                                             | 6 131 134                                        | 1 380 995                                                   | 37 465 270 |
| DECATUR        | 4 117 736           | 9 180 350                                              | 4 314 483                                        |                                                             | 17 612 569 |
| FLAGLER        | 1 972 275           | 352 922                                                |                                                  | 14 396                                                      | 2 339 593  |
| FRANKLIN       | 495 947             | 509 615                                                | 178 966                                          | 25 052                                                      | 1 209 580  |
| GADSDEN        | 1 351 585           | 1 699 433                                              | 569 090                                          | 159 957                                                     | 3 820 065  |
| GILCHRIST      | 188 233             | 331 599                                                |                                                  | 13 425                                                      | 533 257    |
| GLADES         | 113 294             | 252 378                                                |                                                  | 13 655                                                      | 379 327    |
| GULF           | 249 359             | 550 630                                                |                                                  | 30 905                                                      | 830 894    |
| HAMILTON       | 770 111             | 369 350                                                | 357 931                                          | 29 007                                                      | 1 526 399  |
| HARDY          | 543 029             | 937 157                                                | 294 540                                          | 51 645                                                      | 1 831 371  |
| HENDRY         | 221 069             | 803 637                                                | 235 402                                          | 43 987                                                      | 1 304 315  |
| HERNANDO       | 589 774             | 1 517 920                                              | 235 805                                          | 76 754                                                      | 2 420 253  |
| ISLANDS        | 269 542             | 1 545 395                                              | 471 667                                          | 81 196                                                      | 2 377 300  |
| JACKSONBOROUGH | 20 836 769          | 22 105 789                                             | 7 077 954                                        |                                                             | 50 020 512 |
| JAMES          | 298 682             | 826 030                                                | 506 609                                          | 75 112                                                      | 1 659 744  |
| JACKSON RIVER  | 719 112             | 1 673 280                                              |                                                  | 117 362                                                     | 2 509 754  |
| JACKSON        | 471 093             | 1 335 000                                              | 1 059 310                                        | 95 560                                                      | 2 961 053  |
| JEFFERSON      | 287 124             | 534 000                                                |                                                  | 29 570                                                      | 850 694    |
| JEFFERSON      | 104 515             | 133 500                                                |                                                  | 9 424                                                       | 247 439    |
| JACK           | 2 335 848           | 3 336 391                                              | 1 061 379                                        |                                                             | 6 733 618  |
| LEE            | 1 790 020           | 5 233 007                                              | 707 356                                          | 356 762                                                     | 8 087 153  |
| LEON           | 6 690 010           | 5 077 378                                              | 1 533 563                                        | 248 898                                                     | 13 549 849 |
| LEVY           | 431 016             | 795 932                                                |                                                  | 44 475                                                      | 1 271 423  |
| LIBERTY        | 131 029             | 290 883                                                | 176 724                                          | 11 795                                                      | 610 431    |
| MADISON        | 172 559             | 623 000                                                | 530 172                                          | 42 284                                                      | 1 368 055  |
| MANATEE        | 2 723 567           | 3 566 000                                              | 1 297 931                                        |                                                             | 7 587 498  |
| MARTIN         | 1 738 474           | 4 781 776                                              | 1 295 977                                        | 227 396                                                     | 8 043 623  |
| MARTIN         | 774 791             | 1 895 459                                              | 235 402                                          | 102 131                                                     | 3 007 783  |
| MONROE         | 573 477             | 2 637 365                                              | 472 644                                          | 126 055                                                     | 3 859 541  |
| NASSAU         | 583 850             | 1 335 631                                              | 107 379                                          | 69 611                                                      | 2 106 500  |
| OKALOOSA       | 2 826 088           | 3 919 343                                              | 709 885                                          |                                                             | 7 555 316  |
| OKFLOHIEE      | 527 165             | 827 466                                                | 117 701                                          | 47 191                                                      | 1 519 523  |
| ORANGE         | 7 350 179           | 18 172 617                                             | 3 522 069                                        | 1 121 644                                                   | 30 165 909 |
| OSCEOLA        | 2 175 683           | 1 860 177                                              | 294 770                                          | 111 633                                                     | 4 442 163  |
| PALM BEACH     | 9 525 577           | 17 212 515                                             | 3 191 437                                        | 317 463                                                     | 27 927 332 |
| PASCO          | 15 034 557          | 741 477                                                | 721 669                                          |                                                             | 23 497 603 |
| PIRELLAS       | 5 956 733           | 12 665 406                                             | 1 889 655                                        |                                                             | 27 511 794 |
| POKE           | 0 882 180           | 12 968 712                                             | 2 658 621                                        | 739 316                                                     | 27 148 829 |
| PUTNAM         | 1 612 584           | 2 376 953                                              | 765 057                                          | 122 296                                                     | 4 830 900  |
| ST. JOHN       | 753 602             | 2 250 970                                              | 589 080                                          | 82 690                                                      | 3 676 342  |
| ST. LUCIE      | 629 911             | 2 375 433                                              | 335 448                                          | 148 802                                                     | 3 489 594  |
| SANTA ROSA     | 825 630             | 2 725 763                                              | 768 793                                          |                                                             | 4 320 186  |
| SARASOTA       | 1 914 634           | 4 427 602                                              | 922 494                                          |                                                             | 7 334 130  |
| SEMIROLE       | 3 902 707           | 5 726 989                                              | 765 057                                          | 320 606                                                     | 10 715 359 |
| SUNTER         | 682 845             | 1 765 693                                              | 470 205                                          | 46 664                                                      | 2 965 408  |
| SUNSHINE       | 950 960             | 1 313 334                                              | 588 106                                          | 51 443                                                      | 2 903 843  |
| TAYLOR         | 324 842             | 927 935                                                | 117 816                                          | 42 271                                                      | 1 413 614  |
| UNION          | 202 375             | 408 488                                                |                                                  | 15 693                                                      | 636 556    |
| VOLUSTA        | 11 081 157          | 7 257 215                                              | 2 005 609                                        | 421 984                                                     | 20 765 965 |
| WALTON         | 55 500              | 413 273                                                |                                                  |                                                             | 468 773    |
| WALTON         | 703 746             | 489 509                                                | 553 736                                          |                                                             | 1 746 991  |
| WASHINGTON     | 432 123             | 1 104 923                                              | 351 163                                          | 40 469                                                      | 1 930 618  |

## CAPITAL OUTLAY ALLOCATIONS

APPENDIX XIV  
(CONTINUED)

| Estimated<br>1973-74<br>Total<br>Capital<br>Outlay<br>Allocation<br>to<br>Seminole<br>County | Projected<br>5<br>Year<br>Capital<br>Outlay<br>Allocation<br>to<br>Seminole<br>County | Projected<br>Capital Out-<br>lay Needs<br>not funded<br>in the<br>1973-74<br>Allocation | 1973-74 to<br>1976-77<br>Local Debt<br>Service on<br>Ad Valorem<br>Taxes | Projected<br>Capital Out-<br>lay Debt<br>Service on<br>Ad Valorem<br>Taxes | Projected<br>Capital Out-<br>lay Debt<br>Service<br>Unfunded | Ad Valorem<br>Taxes In<br>Excess of<br>10 Mills | Total Pro-<br>jected C.O.<br>Needs and<br>Debt<br>Service<br>Unfunded | Per Cent of<br>Unfunded<br>Capital Out-<br>lay Needs<br>Including<br>Debt Service | Dollars<br>Billed<br>to<br>General<br>Fund |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|
| 11,417,722                                                                                   | 15,572,222                                                                            | 1,260,237                                                                               | 4,450,299                                                                | -                                                                          | 5,430,439                                                    | -                                               | 5,430,439                                                             | 1.33                                                                              | 1,147,722                                  |
| 2,000,000                                                                                    | 1,259,000                                                                             | 684,682                                                                                 | 144,751                                                                  | -                                                                          | 829,233                                                      | -                                               | 829,233                                                               | .21                                                                               | 144,751                                    |
| 6,900,000                                                                                    | 6,900,000                                                                             | -                                                                                       | 602,963                                                                  | 602,963                                                                    | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 900,000                                                                                      | 900,000                                                                               | -                                                                                       | 132,799                                                                  | 132,799                                                                    | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 8,700,722                                                                                    | 8,700,722                                                                             | -                                                                                       | 13,073,907                                                               | 3,995,030                                                                  | 9,078,967                                                    | -                                               | 9,078,967                                                             | 2.22                                                                              | 1,900,722                                  |
| 102,600,000                                                                                  | 50,832,476                                                                            | 67,056,562                                                                              | 40,712,015                                                               | -                                                                          | 88,370,557                                                   | 7,952,434                                       | 96,322,991                                                            | 23.56                                                                             | 21,086,000                                 |
| 6,477,175                                                                                    | 2,185,105                                                                             | 4,276,371                                                                               | 2,114,516                                                                | -                                                                          | 6,390,867                                                    | -                                               | 6,390,867                                                             | 1.56                                                                              | 1,396,000                                  |
| 1,276,000                                                                                    | 2,621,905                                                                             | 6,156,676                                                                               | -                                                                        | -                                                                          | 6,156,676                                                    | -                                               | 6,156,676                                                             | 1.51                                                                              | 1,551,000                                  |
| 7,657,650                                                                                    | 4,801,629                                                                             | 2,746,661                                                                               | -                                                                        | -                                                                          | 2,746,661                                                    | -                                               | 2,746,661                                                             | .55                                                                               | 622,000                                    |
| 14,436,818                                                                                   | 14,436,818                                                                            | -                                                                                       | 5,281,025                                                                | 1,150,283                                                                  | 4,130,737                                                    | -                                               | 4,130,737                                                             | 1.01                                                                              | 901,000                                    |
| 2,630,281                                                                                    | 2,630,281                                                                             | -                                                                                       | 480,835                                                                  | 260,954                                                                    | 219,881                                                      | -                                               | 219,881                                                               | .05                                                                               | 44,000                                     |
| 158,000,268                                                                                  | 79,404,329                                                                            | 78,515,749                                                                              | 7,532,780                                                                | -                                                                          | 86,046,519                                                   | -                                               | 86,046,519                                                            | 21.04                                                                             | 18,630,000                                 |
| 3,217,262                                                                                    | 1,426,586                                                                             | 1,813,176                                                                               | -                                                                        | -                                                                          | 1,813,176                                                    | -                                               | 1,813,176                                                             | .44                                                                               | 383,000                                    |
| 1,536,705                                                                                    | 797,702                                                                               | 796,927                                                                                 | 10,390                                                                   | -                                                                          | 805,317                                                      | -                                               | 805,317                                                               | .20                                                                               | 179,000                                    |
| 6,900,733                                                                                    | 6,900,733                                                                             | -                                                                                       | 10,676,181                                                               | 4,409,309                                                                  | 6,266,872                                                    | -                                               | 6,266,872                                                             | 1.53                                                                              | 1,369,000                                  |
| 11,801,984                                                                                   | 11,801,984                                                                            | -                                                                                       | 1,394,770                                                                | 1,394,770                                                                  | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 1,200,697                                                                                    | 1,234,697                                                                             | -                                                                                       | 111,360                                                                  | 111,360                                                                    | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 690,789                                                                                      | 690,789                                                                               | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 10,710                                                                                       | 85,210                                                                                | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 1,000                                                                                        | 7,000                                                                                 | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 26,000                                                                                       | 24,600                                                                                | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 6,750                                                                                        | 60,750                                                                                | -                                                                                       | 352,050                                                                  | 222,525                                                                    | 129,525                                                      | -                                               | 129,525                                                               | .03                                                                               | 26,000                                     |
| 480,258                                                                                      | 482,258                                                                               | -                                                                                       | 113,330                                                                  | 113,330                                                                    | -                                                            | -                                               | 1,217,807                                                             | .30                                                                               | -                                          |
| 2,632,731                                                                                    | 1,831,371                                                                             | 840,360                                                                                 | 327,447                                                                  | -                                                                          | 1,217,807                                                    | -                                               | -                                                                     | -                                                                                 | 260,000                                    |
| 1,012,653                                                                                    | 2,012,653                                                                             | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 5,500,492                                                                                    | 2,420,253                                                                             | 2,981,239                                                                               | -                                                                        | -                                                                          | 2,981,239                                                    | -                                               | 2,981,239                                                             | .73                                                                               | 653,000                                    |
| 1,166,912                                                                                    | 1,162,912                                                                             | -                                                                                       | 1,756,080                                                                | 343,204                                                                    | 1,412,876                                                    | -                                               | 1,412,876                                                             | .35                                                                               | 313,000                                    |
| 33,000,470                                                                                   | 33,000,470                                                                            | -                                                                                       | 5,890,028                                                                | 4,445,450                                                                  | 1,444,578                                                    | -                                               | 1,444,578                                                             | .35                                                                               | 313,000                                    |
| 2,340,918                                                                                    | 1,658,744                                                                             | 587,174                                                                                 | -                                                                        | -                                                                          | 587,174                                                      | -                                               | 587,174                                                               | .14                                                                               | 125,000                                    |
| 2,960,399                                                                                    | 2,960,674                                                                             | 458,695                                                                                 | 1,064,426                                                                | -                                                                          | 1,523,121                                                    | -                                               | 1,523,121                                                             | .37                                                                               | 331,000                                    |
| 2,215,598                                                                                    | 2,215,598                                                                             | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 560,115                                                                                      | 561,115                                                                               | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 112,030                                                                                      | 112,030                                                                               | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 10,207,111                                                                                   | 6,733,618                                                                             | 3,593,563                                                                               | 1,929,075                                                                | -                                                                          | 5,522,638                                                    | -                                               | 5,522,638                                                             | 1.35                                                                              | 1,262,000                                  |
| 10,400,037                                                                                   | 8,057,153                                                                             | 8,395,934                                                                               | 2,311,413                                                                | -                                                                          | 10,707,347                                                   | 7,051,168                                       | 17,758,515                                                            | 4.34                                                                              | 3,614,000                                  |
| 8,355,766                                                                                    | 8,355,766                                                                             | -                                                                                       | 4,117,551                                                                | 2,043,582                                                                  | 2,073,969                                                    | -                                               | 2,073,969                                                             | .51                                                                               | 456,000                                    |
| 500,165                                                                                      | 500,165                                                                               | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 1,200,361                                                                                    | 610,431                                                                               | 656,930                                                                                 | -                                                                        | -                                                                          | 656,930                                                      | -                                               | 656,930                                                               | .16                                                                               | 143,000                                    |
| 3,700,699                                                                                    | 1,368,055                                                                             | 1,633,444                                                                               | -                                                                        | -                                                                          | 1,633,444                                                    | -                                               | 1,633,444                                                             | .40                                                                               | 353,000                                    |
| 16,170,905                                                                                   | 7,581,498                                                                             | 8,556,407                                                                               | 1,291,700                                                                | -                                                                          | 9,846,107                                                    | -                                               | 9,846,107                                                             | 2.41                                                                              | 2,156,000                                  |
| 7,064,942                                                                                    | 2,064,942                                                                             | -                                                                                       | 1,052,937                                                                | 377,822                                                                    | 675,115                                                      | 3,161,436                                       | 3,836,551                                                             | .94                                                                               | 841,000                                    |
| 10,120,150                                                                                   | 3,007,783                                                                             | 7,118,375                                                                               | -                                                                        | -                                                                          | 7,118,375                                                    | -                                               | 7,118,375                                                             | 1.74                                                                              | 1,557,000                                  |
| 71,500                                                                                       | 73,500                                                                                | -                                                                                       | 643,620                                                                  | 643,620                                                                    | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 2,100,000                                                                                    | 2,100,000                                                                             | 188,399                                                                                 | 118,515                                                                  | -                                                                          | 307,314                                                      | -                                               | 307,314                                                               | .09                                                                               | 71,000                                     |
| 12,700,796                                                                                   | 7,255,316                                                                             | 5,511,980                                                                               | 1,313,472                                                                | -                                                                          | 6,825,452                                                    | -                                               | 6,825,452                                                             | 1.67                                                                              | 1,494,000                                  |
| 6,850,534                                                                                    | 1,519,523                                                                             | 1,336,015                                                                               | -                                                                        | -                                                                          | 5,336,015                                                    | -                                               | 5,336,015                                                             | 1.30                                                                              | 1,163,000                                  |
| 21,300,550                                                                                   | 21,300,550                                                                            | -                                                                                       | 6,904,675                                                                | 3,509,712                                                                  | 3,395,163                                                    | -                                               | 3,395,163                                                             | .83                                                                               | 742,000                                    |
| 2,720,394                                                                                    | 2,720,394                                                                             | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 45,430,479                                                                                   | 77,977,332                                                                            | 17,156,147                                                                              | 7,703,829                                                                | -                                                                          | 24,860,026                                                   | -                                               | 24,860,026                                                            | 6.08                                                                              | 5,421,000                                  |
| 35,740,588                                                                                   | 23,497,003                                                                            | 11,744,985                                                                              | 5,301,803                                                                | -                                                                          | 17,046,793                                                   | -                                               | 17,046,793                                                            | 4.17                                                                              | 3,732,000                                  |
| 31,720,013                                                                                   | 27,511,794                                                                            | 4,208,219                                                                               | -                                                                        | -                                                                          | 4,208,219                                                    | 16,608,817                                      | 20,817,036                                                            | 5.09                                                                              | 4,555,000                                  |
| 30,820,470                                                                                   | 27,148,629                                                                            | 3,672,641                                                                               | 712,182                                                                  | -                                                                          | 4,384,823                                                    | 8,658,968                                       | 13,043,811                                                            | 3.19                                                                              | 2,855,000                                  |
| 5,500,005                                                                                    | 4,630,900                                                                             | 758,105                                                                                 | -                                                                        | -                                                                          | 758,105                                                      | -                                               | 758,105                                                               | .19                                                                               | 170,000                                    |
| 2,427,816                                                                                    | 2,427,816                                                                             | -                                                                                       | 945,462                                                                  | 437,342                                                                    | 508,320                                                      | -                                               | 508,320                                                               | .12                                                                               | 107,000                                    |
| 14,900,637                                                                                   | 3,483,597                                                                             | 11,444,043                                                                              | -                                                                        | -                                                                          | 11,444,043                                                   | -                                               | 11,444,043                                                            | 2.60                                                                              | 2,506,000                                  |
| 6,715,593                                                                                    | 4,320,186                                                                             | 2,395,407                                                                               | 497,340                                                                  | -                                                                          | 2,892,747                                                    | -                                               | 2,892,747                                                             | .71                                                                               | 639,000                                    |
| 4,710,000                                                                                    | 4,715,000                                                                             | -                                                                                       | 3,911,866                                                                | 785,457                                                                    | 3,125,709                                                    | -                                               | 3,125,709                                                             | .76                                                                               | 680,000                                    |
| 14,010,961                                                                                   | 10,715,359                                                                            | 3,295,602                                                                               | 2,865,341                                                                | -                                                                          | 6,160,943                                                    | -                                               | 6,160,943                                                             | 1.51                                                                              | 1,351,000                                  |
| 3,800,027                                                                                    | 2,366,408                                                                             | 1,433,619                                                                               | -                                                                        | -                                                                          | 1,433,619                                                    | -                                               | 1,433,619                                                             | .36                                                                               | 322,000                                    |
| 2,490,078                                                                                    | 2,503,843                                                                             | 594,835                                                                                 | 567,903                                                                  | -                                                                          | 1,162,738                                                    | -                                               | 1,162,738                                                             | .28                                                                               | 250,000                                    |
| 1,230,040                                                                                    | 1,235,040                                                                             | -                                                                                       | 119,584                                                                  | 79,909                                                                     | 39,675                                                       | -                                               | 39,675                                                                | .01                                                                               | 8,000                                      |
| 240,957                                                                                      | 636,556                                                                               | 108,401                                                                                 | -                                                                        | -                                                                          | 108,401                                                      | -                                               | 108,401                                                               | .03                                                                               | 26,000                                     |
| 15,500,910                                                                                   | 15,534,910                                                                            | -                                                                                       | 6,884,780                                                                | 1,968,264                                                                  | 4,916,516                                                    | -                                               | 4,916,516                                                             | 1.20                                                                              | 1,074,000                                  |
| 1,620,024                                                                                    | 468,773                                                                               | 1,204,251                                                                               | -                                                                        | -                                                                          | 1,204,251                                                    | -                                               | 1,204,251                                                             | .29                                                                               | 259,000                                    |
| 1,430,102                                                                                    | 1,432,802                                                                             | -                                                                                       | -                                                                        | -                                                                          | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 165,250                                                                                      | 165,250                                                                               | -                                                                                       | 66,574                                                                   | 66,574                                                                     | -                                                            | -                                               | -                                                                     | -                                                                                 | -                                          |
| 751,774,306                                                                                  | 504,571,303                                                                           | 247,153,053                                                                             | 145,433,485                                                              | 27,094,034                                                                 | 365,492,504                                                  | 43,432,843                                      | 408,925,347                                                           | 100.00                                                                            | 89,500,000                                 |

\*These calculations do not include millage levied in Seminole County.

## APPENDIX XV

### COST OF CONSTRUCTION INDEX

In 1970 the State of Florida, Office of Auditor General, entered into a contract with Hunnicutt and Associates, St. Petersburg, Florida, to develop among other things a cost of construction index. The following developmental procedures were taken:

1. The Office of the Auditor General selected a minimum of three (3) and a maximum of ten (10) new houses in each of the sixty-seven (67) Florida counties for cost of construction study.
2. The exact construction cost for each new house was secured from contractors. All costs were included except land.
3. Hunnicutt and Associates established a cost per square foot for houses studied in each county based on an index of 100.
4. To establish the cost of construction index the contractors cost was divided by Hunnicutt's Index figure for each of the 67 counties as shown in Column 1 in the subsequent table. The 1940's were used as base years.
5. The Department of Education converted the Hunnicutt Index as shown in Column 1 to the index in Column 2. The conversion was computed in the following manner. Leon County was established as the base of 100. The Hunnicutt Cost of Construction Index of 3.50 for Leon County was divided into the index for all other counties. Column 2 index figures will be used to allocate comprehensive school construction and debt service funds to counties.

COST OF CONSTRUCTION INDEX BY COUNTIES

| COUNTY       | COLUMN 1<br>HUNNICUTT INDEX | COLUMN 2<br>DOE INDEX<br>% | COUNTY     | COLUMN 1<br>HUNNICUTT INDEX | COLUMN 2<br>DOE INDEX<br>% |
|--------------|-----------------------------|----------------------------|------------|-----------------------------|----------------------------|
| ALACHUA      | 3.45                        | 99                         | LAFAYETTE  | 2.85                        | 81                         |
| BAKER        | 3.20                        | 91                         | LAKE       | 2.25                        | 93                         |
| BAY          | 3.20                        | 91                         | LEE        | 2.60                        | 103                        |
| BRADFORD     | 3.20                        | 91                         | LEON       | 3.50                        | 100                        |
| BREVARD      | 3.15                        | 90                         | LEVY       | 3.10                        | 87                         |
| BREVARD      | 3.70                        | 106                        | LIBERTY    | 2.90                        | 83                         |
| CHARLOTTE    | 2.79                        | 84                         | MADISON    | 3.00                        | 86                         |
| CITRUS       | 3.60                        | 103                        | MANATEE    | 3.50                        | 100                        |
| CLAY         | 3.25                        | 93                         | MARTIN     | 3.20                        | 91                         |
| COLLIER      | 3.30                        | 94                         | MONROE     | 3.65                        | 104                        |
| COLUMBIA     | 3.70                        | 106                        | NASSAU     | 4.00                        | 114                        |
| DADE         | 3.35                        | 96                         | OKALOOSA   | 3.25                        | 93                         |
| DE SOTO      | 3.90                        | 111                        | OKEECHOBEE | 3.15                        | 90                         |
| DIXIE        | 3.35                        | 96                         | ORANGE     | 3.50                        | 100                        |
| DUVAL        | 3.10                        | 89                         | OSCEOLA    | 3.45                        | 97                         |
| ESCAMBIA     | 3.45                        | 97                         | PALM BEACH | 3.30                        | 94                         |
| FLAGLER      | 3.40                        | 97                         | PASCO      | 3.65                        | 104                        |
| FRANKLIN     | 3.20                        | 91                         | PINELLAS   | 3.25                        | 93                         |
| GADSDEN      | 3.00                        | 86                         | POLK       | 3.55                        | 101                        |
| GILCHRIST    | 2.85                        | 81                         | PUTNAM     | 3.40                        | 97                         |
| GLADES       | 3.10                        | 89                         | ST. JOHNS  | 3.20                        | 91                         |
| GULF         | 3.50                        | 100                        | ST. LUCIE  | 3.40                        | 97                         |
| HAMILTON     | 3.00                        | 86                         | SANTA ROSA | 3.65                        | 104                        |
| HARDEE       | 3.10                        | 89                         | SARASOTA   | 3.15                        | 90                         |
| HENDRY       | 3.35                        | 96                         | SEMINOLE   | 3.55                        | 101                        |
| HERNANDO     | 3.50                        | 100                        | SUMTER     | 3.35                        | 96                         |
| HIGHLANDS    | 3.25                        | 93                         | SUWANNEE   | 3.15                        | 90                         |
| HILLSBOROUGH | 3.20                        | 91                         | TAYLOR     | 3.10                        | 89                         |
| HOLMES       | 3.55                        | 101                        | UNION      | 3.05                        | 87                         |
| INDIAN RIVER | 3.05                        | 89                         | VOLUSIA    | 3.10                        | 89                         |
| JACKSON      | 3.70                        | 106                        | WAKULLA    | 3.40                        | 97                         |
| JEFFERSON    | 3.05                        | 87                         | WALTON     | 3.20                        | 91                         |
|              | 3.10                        | 89                         | WASHINGTON | 3.15                        | 90                         |
|              |                             |                            |            | 2.95                        | 84                         |

## APPENDIX XVI

### ADMINISTRATIVE COSTS

Activities requiring state expenditures of money to establish the system for programming construction in Florida began in 1970 and were culminated in 1972. Costs were:

|                                                                                      |                 |
|--------------------------------------------------------------------------------------|-----------------|
| . Florida State University contract to develop inventory system .....                | \$14,872.00     |
| . Travel of Department of Education personnel to 67 districts .....                  | 8,000.00        |
| . Data processing including key punch, preparing tapes and providing output data ... | 31,587.00       |
| . Salary of Department of Education personnel..                                      | 26,000.00       |
| . General Office Expenses .....                                                      | <u>3,100.00</u> |
| TOTAL                                                                                | \$83,559.00     |

Yearly operational costs are estimated to be \$14,000.00 in future years.

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END